

Impact Report 2024

FOR THE YEAR
ENDED 31 MARCH 2024

Contents

Letter from Code for Life	3
Building on our experts at Ocado Group	5
Celebrating 10 years	7
Team	8
Working with schools	10
Howe Dell Primary School, Hatfield	
The Grove Junior school, Harpenden	
A Place for everyone to learn	
Engaging the future technologists	
St Benedict's careers breakfast	
Ocado Group Volunteers and Wellbeing	17
Partnerships	18
Barefoot Computing - AI Explorers	
In2Science / In2Careers	
Looking Ahead	21

Code for Life attended St Benedict's school with some of their Ocado Group colleagues to talk technology, robotics and careers



Abdo, one of the Ocado Group graduates proudly showing off his Code for Life t-shirt after being awarded it for his contributions to the project.



A letter from Code for Life

In this report, we celebrate the fantastic achievements of our small team this academic year and demonstrate how we have worked with volunteers, schools, and partners to promote diversity, wellbeing and inclusion in technology careers.

We celebrate our 10 years at Code for Life, while looking ahead to the next chapter.

Code for Life has empowered over 700,000 users since inception with free, curriculum-aligned coding resources. In 2023–2024, over 220,000 users across 187 countries engaged with our interactive tools, Rapid Router and Python Den. These activities drove over 8.3 million website views and over 8 million levels attempted.

Our community of students, teachers, and volunteers has been vital to this impact, with 1,900 schools and 5,200 new classes registered this year. We've expanded global outreach, particularly in

India, and inspired young technologists through workshops and career talks. This progress continues to fuel our determination to reach even more secondary schools, regardless of ability, ensuring that everyone is supported on their technology journey.

We've expanded global outreach, particularly in India, and inspired young technologists through workshops and career talks.

>700k

Registered users since inception

187

Countries have accessed Code for Life Sept '23- Aug '24

>8Mill

Website views from Sept '23 to Aug '24

Visit the website >



As we celebrate our productive ten years, we thank Ocado Group and our volunteers for helping shape the future of digital education worldwide.

Activities this year:

- Increased engagement and reach of our newsletters through a content refresh
- Included more role profiles on our career posters to represent a wider variety of roles in tech
- Developed a popular robotics and coding workshop including our technology in Ocado Group
- Launched a teaching application called Python Den, and retired the multiplayer game Kurono
- Developed a new AI course with Barefoot Computing based on Ocado Group's automated warehousing systems
- Attended events at schools, colleges and universities
- Developed new and existing partnerships
- Increased work with Ocado Group volunteers, and our participation in Ocado Group's Women in Tech activities

Teachers are trained up with Rapid Router through our partnership with CS in Schools.



Code for Life attends the Bett show, a large global tech education exhibition.

Building our experts at Ocado Group

We are committed to igniting a passion for problem-solving and innovation, empowering students to imagine a future in technology.

A key part of our strategy is sharing real-life stories from role models within Ocado Group, whose stories inspire and motivate the next generation. With the support and knowledge of our colleagues, we are integrating robotics into our programs, helping students build essential skills that prepare them for a future where technology is at the forefront of every industry.

Changes

This year, we retired our secondary multiplayer game, Kurono, to launch a bigger and better version in the future.

To continue supporting secondary learning while the new version is in development, we've produced a new Python product. In the first four days of its launch, this product saw 144 users visit and 446 levels attempted.



[Try Python Den >](#)





The importance of community remains central to our mission. A mission that celebrates growth, diversity, and the courage to pursue careers in technology.

Throughout the year, Code for Life has been restructuring its system to provide more benefits for our users. Our engineers are working hard to refactor years of technical debt in order to make a cleaner, stronger, more robust system for our products to sit. This work is incredibly important and we are learning as we do it. As a small team, we are managing to maintain and improve this system alongside building on new products and continuously improving and developing existing products.

The importance of community remains central to our mission. A mission that celebrates growth, diversity, and the courage to pursue careers in technology.

We are incredibly grateful for the teachers, volunteers, industry professionals, and supporters who have dedicated their time, expertise, and resources to make this possible.

Together, we are shaping the future of technology, and we are glad to have you with us on this journey.

Take a look at our wall of fame! >

Eve, one of our graduates at the time, and Vikas, a volunteer from Ocado Group, attended a career fair for around 200 Yr10 and Yr12 students.

Celebrating 10 years

Over the past decade, Code for Life has transformed from a grassroots initiative into an engaging global platform in coding education.

What started as a small idea within Ocado Group has grown into a recognised non-profit. Our free resources, from coding games to full lesson plans and teacher materials, have empowered educators and students alike, ensuring that coding is accessible to learners from all walks of life.

Thanks to the passion and dedication of the team, supported by talented volunteers from Ocado Group and external contributors, we've consistently expanded our products. We saw early success with Rapid Router to the newest release, Python Den. We've crafted interactive learning paths that suit students at different stages of their coding journey. Through engaging games, lesson plans, videos, and workshops, we have strived to make coding not only accessible but also fun, igniting curiosity and creativity from a young age.

Our mission to promote inclusivity and representation in tech is central to our strategy. By utilising our colleagues at Ocado Group, we've highlighted the importance of diversity in STEM and Technology, bringing female role models into schools and inspiring the next generation of coders.

In addition to our digital resources, and in order to celebrate our 10 years, we've taken our mission on the road across Ocado Group's development centres. These robotics and coding workshops allow students to hear about the latest robotics technology, guided by experts from Code for Life and Ocado Group. They have been a powerful way to bridge the gap between coding and real-world applications, showcasing the exciting and diverse opportunities in tech careers.

As we look to the future, we're broadening our horizons even further, exploring new opportunities to expand our reach. One key area of focus is India, where we are actively seeking partnerships to extend our impact and introduce our coding resources to even more schools. Through these efforts, we aim to inspire a new wave of young tech enthusiasts and continue our commitment to nurturing the next generation of innovators, no matter where they are in the world.



The winners of the competition
Howe Dell Primary School, Hatfield

The volunteers and Code for Life team show off their celebratory 10 year t-shirts at Howe Dell Primary School, Hatfield



[Read about the tour >](#)

Team

Our core team remained small in 2024 with only three full-time members and a part-time teaching consultant, supported by graduates, and volunteers inside and outside the business.

Laura Cumming

Throughout 2024, Laura remained dedicated to setting, prioritising and overseeing progress on our product goals. This includes the restructure of our codebase - improving efficiency, whilst ensuring quality, security and data protection remain at the forefront of our focus. She has also developed several successful partnerships, conceived the foundations for a new Python resource, and continued to build and promote the Code for Life brand and reputation both inside the business and externally.

Stefan Kairinos

Stefan has powered his technical knowledge into the restructure of our codebase, introducing microservices and designing a contribution service for our external volunteers. He has been the anchor for our processes and improvements on our Software Development Life Cycle (SDLC) and continues to pave the way for a move from Google Cloud Platform (GCP) to Amazon Web Services (AWS). Stefan remains dedicated to improving the experience for our users through improvements to tooling and processes.

Florian Aucomte

Florian, our security champion, has been ensuring that all of our decisions bear in mind the impact on our audience, keeping data secure and ensuring we are not creating any risks when introducing new features. He has been fundamental to updating our systems and libraries and keeping latest releases on our radar to make sure any vulnerabilities are mitigated against and responded to with priority.

Eve Martin

Eve joined the team in March 2024 as part of Ocado Group's Graduate Software Engineering scheme. Whilst her time with Code for Life was only 6 months, she packed a lot in and contributed to several features in Rapid Router, improved our analytics reports, and built the main structure for the new Python Den. An impressive half year!

Salman Ashraf

Salman joined us for an internship over the summer. In 10 weeks, he managed to get stuck into investigating AWS for us in preparation of moving from GCP. Not only did he do this, he also connected the team up with all the talented people within Ocado that we would need to help us. He started work on our new contributor service, and paved the way for us to follow.

Rebecca D'Cruz

has played an instrumental role in our teaching resources, ensuring they're engaging, aligned to the curriculum, and suitable for all learning abilities. She has written and produced the entire Python Den series, and supported us with user testing and connections to networks for promotion and feedback. Alongside this, Rebecca has delivered sessions to teachers and students, helping us to continuously improve the products.

Code for Life remains part of External Collaborations in Ocado Group, headed up by Code for Life's main stakeholder, **Duncan Russell**.

It's easy to spot one of the team in our signature bright pink hoodies.





The team got together with some of the internal robotics teams to organise a talk on public speaking for the Women in Tech community within Ocado Group. Our speakers were from all over the business and equipped the audience with valuable tips and tricks.

Strong Technology Foundation

[Take a look at the careers website >](#)

The origins of Code for Life started with software developers looking to explore various technologies and build a platform to help teachers teach programming. Today we continue using the internal expertise across the business to support the small team, maintaining the robust high quality.

Security

Ocado Group security teams support with regular pen testing and advice on secure by design.

Data Protection

The data protection team audits the team's activities, ensuring the latest regulations are adhered to. Protecting data is a serious consideration, and we implement high security for the limited personal data that is stored.

Scalable Cloud Compute and Data Infrastructure

Engineering experience from the Ocado Group infrastructure provides advice and guidance on the robust and economical utilisation of cloud computing platforms.

Communications

Keeping us on message, the Comms team helps to extend the reach of Code for Life.

Licensing and partnering agreement

The Legal team supports with reviews on contracts and agreements.

Software tooling and services

The IT team supports by checking the security and responsibility of suppliers.

Sustainability and responsible resourcing

Code for Life is governed by the same compliance requirements as Ocado Group, with internal requirements set by the Compliance and Sustainability team.

Domain knowledge for software, robotics, ethics and AI

Ocado Group has over 2000 technologists and we use those dedicated experts to provide some of the content for teaching resources and team presentations.

Working with schools, educational institutions and teachers

Improving access through translations, videos and editable resources.

Introduction

During 2023–24, we increased our engagement with both primary and secondary schools with 10 events in schools. These were attended by the core team and Ocado Group volunteers, once a month. The events included career fairs, an apprentice week assembly and various workshops, delivering to over 1800 pupils in 8 schools or educational bodies. Alongside these, we also attended two teacher conferences with over 500 attendees altogether.

We listened to feedback and introduced more videos to support both teaching and learning, and to add variation in our resources. We will continue to improve these resources with the aim to offer more flexibility to teachers and lesson planning.

Ada Lovelace Day

To help celebrate Ada Lovelace day last year, we delivered an online presentation to an audience of In2Science. The audience was made up of a diverse mix of male and female students, looking to start a STEM career. Code for Life drove the initiative with support from volunteers in the business to put together tips and tricks to navigate CVs, job interviews and careers in technology.

What do you think of Code for Life's mission as part of Ocado Group?

“Really positive - particularly important to showcase that coding is for everyone and the opportunity for children to see female role models in robotics and STEM was great.”

“That is a valuable resource and linking it with Ocado makes the experience more accessible to children who are familiar with this brand.”

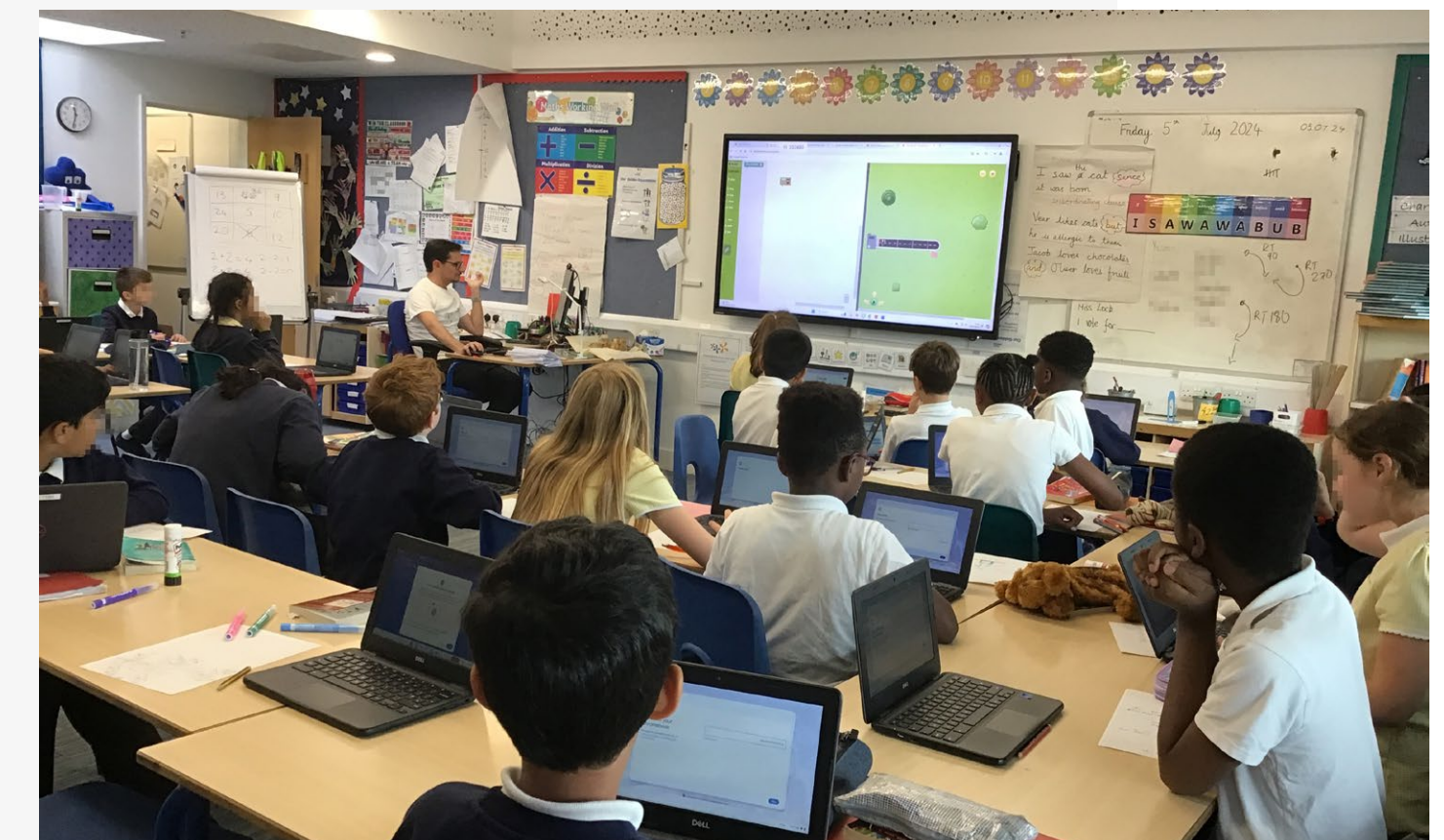
Quotes from teachers we have worked with in 2024.

[Watch the In2Careers recording >](#)



A student uses a van cut out to help with progress through Rapid Router.

Florian takes the students through the UI of Rapid Router in a classroom workshop.



Career focus

We attended several school career fairs over the last year, each with their own format and industry focus. On several occasions, the Code for Life team were accompanied by Ocado Group volunteers who were keen to chat to students and provide leaflets and branded merchandise. The team and volunteers participated in presentations, speed networking, meeting different classes and year groups. We shared our career journeys and our subject preferences at school, helping students to see how many transferable skills can be applied to roles in technology, and showing there is space for everyone.

Apprentice Week

Code for Life attended St Albans Girls' School during National Apprentice week where we spoke to over 200 girls in a Year 9 assembly. Teachers and students listened to us, alongside Ocado Group colleagues, talk about our roles at Ocado Group and what we enjoyed at school, helping to join the dots and make technology more accessible. It is really valuable for the students to hear about different journeys, connecting different subjects to careers such as User Experience design or Product Management. These may be roles students might not have considered previously.

Robotics and Coding Workshops

A specially designed robotics workshop germinated from running various coding sessions and assemblies in schools and a wanting to meet a need. We wanted to link the coding games to various roles in Ocado Group, bringing them into the learning environment in a compact session.

The workshop encourages pupils to think critically about problems and solutions, while introducing them to the technology at Ocado Group and also to the various types of robots currently assisting humanity with repetitive tasks. We have developed a design exercise that inspires pupils to think creatively, with the opportunity to consult our in-house experts on different components they could incorporate into their designs.

The final section of the workshop connects this to coding and algorithms, using our flagship game, Rapid Router, demonstrating how we make robots move.



The team running workshops at The Grove Junior school, Harpenden.



The team attended STAGs careers fair to inspire parents and students alike.

11

Events attended, Sept '23–Aug '24

>2k

Attendees at events, Sept '23–Aug '24

23

Unique Ocado Group volunteers at events, Sept '23–Aug '24



Howe Dell Primary School, Hatfield

Case study

As part of our 10-year celebrations, we visited Year 3 pupils at Howe Dell Primary School, running consecutive sessions.

60

Pupils

2

Classes



Three students were presented with a gold Ocado Group 3D printed medal.

The pupils listened as we introduced them to various types of robots, including those used at Ocado Group. They were intrigued by the technology and automation behind Ocado Group's processes for efficiently sorting and packing deliveries for their homes.

Code for Life team members, supported by Ocado Group volunteers, led the sessions and encouraged the pupils to let their imaginations run wild. They came up with some fantastic ideas, such as robot childminders, disco bots, homework helpers, and robots to help cross the road.

Midway through the session, we introduced Rapid Router, where students tackled various levels and learned how robots rely on step-by-step instructions to complete tasks. The pupils progressed through the challenges, applying problem-solving skills to complete the tasks.

Both classes thoroughly enjoyed the workshops, showing great enthusiasm throughout. There was a lot of excitement over the prize for the best robot design: a 3D-printed golden Ocado Group medal, which added an extra layer of motivation. These were presented in school assembly the following week.

When asked about their gaps, the teacher talked about linking real-world scenarios to careers to help pupils understand the opportunities in technology. They felt that Code for Life was a valuable resource and that linking with Ocado Retail makes the experience more accessible.

“The children really enjoyed the workshop and found it fascinating to learn how robots assist us in our everyday lives. They were particularly engaged with Rapid Router and found the challenges both stimulating and fun.” – Ms Griffiths



The Grove Junior school, Harpenden

Linking coding to robotics through our robotics and coding workshops.

90

pupils

3

Classes



Code for Life was joined by volunteers from Ocado to deliver the workshop to three consecutive classes of yr 3's.

As part of Ocado Group's commitment to inspiring the next generation of innovators, Code for Life, in collaboration with talented colleagues from Ocado Group, delivered a highly engaging robotics and coding workshop at the Grove Primary School. The workshop comprised three consecutive sessions, to approximately 90 students during an afternoon of interactive learning and creativity, each introducing the students to the world of coding and robotics.

To celebrate the work we have been doing with our Ocado volunteers and highlight the achievements of the children involved, the robot designs have been collated in an ebook and shared on our website.

Reflecting on the workshop, Mr Emanuel, Deputy Headteacher at the The Grove Primary School, Harpenden said:

"The children were buzzing after the session and found it really exciting to be able to design a robot and meet real-life coding experts. It was great to see them applying their coding knowledge on the Rapid Router game."

Mr Emanuel

Case study

A place for everyone to learn

Promoting engagement by showcasing women in technology careers.

This year, we have focused on promoting different technology roles through school visits and showcasing the diverse careers at Ocado Group in our newsletters, posters, and social media platforms. This includes building our LinkedIn page and gaining over 300 followers so far.

We have actively collaborated with Ocado Group's Women in Tech community to promote the representation of women across a wide range of roles within the technology sector. This initiative helps both girls and boys to see that technology is accessible to everyone and that girls are equally capable of excelling in engineering roles.

[See our careers posters >](#)



Code for Life were joined by volunteers from Ocado to deliver the ten year celebratory workshop to two consecutive classes of year 3's. Here they are outside the school reception.

23,081

Impressions 1st Jan - 31st Aug 2024

656

Reactions, 1st Jan - 31st Aug 2024

12

Comments, 1st Jan - 31st Aug 2024

38

Reposts, 1st Jan - 31st Aug 2024

New LinkedIn page



Photo shows the Early Bird Careers Talk at St Benedict's School

Through using posters, newsletter stories, career fairs, presentations, and videos, this year we have provided a greater insight into the range of roles within technology.

CAREERS TALKS AND PANELS

Engaging the future technologists through career activities

Through using posters, newsletter stories, we have provided a greater insight into the range of roles within technology.

Our posters use quotes from real people at Ocado Group, providing snippets on the roles they do within the business.

Our newsletters have developed based on responses from our readers and analytics from interactions with the content. We based the template on three main sections; a historical activity or trailblazer in computing, a challenge around programming and a section that focuses on careers and spotlights a person within Ocado Group.

Volunteers from Ocado Group joined Code for Life for a panel discussion and presentation at their regular careers breakfast session.

[Read our newsletters >](#)

4,505

Unique opens, up **60%** on last year ↑

496 ↑

Unique clickers, up **124%** on last year

10,367

Newsletters sent, up **49%** on last year ↑

886 ↑

Contacts added, up **72%** on last year

Newsletter statistics

St Benedict's Early Bird Careers Talks

Code for Life, together with some colleagues from Ocado Group, joined parents, carers, pupils, and staff, for a breakfast presentation and panel discussion at St Benedict's School.

40+

pupils and parents

4+

Teachers

Code for Life joined students, teachers and parents at a breakfast event. St Benedict's school, Ealing.



Code for Life, together with some colleagues from Ocado Group, joined parents, carers, pupils, and staff, for a breakfast presentation and panel discussion at St Benedict's School.

We demonstrated some of the cutting-edge technology used in Ocado Group's warehouses, including our Hive robots and on-grid robotic arms. Attendees were given insight into the full process of fulfilling customers' online grocery orders, from supplier to doorstep.

It was particularly exciting to engage with the school's successful student robotics team, introducing them to the real-world applications of robotics in grocery shopping, prompting them to have lots of questions for us around our robotics solutions at the end of our panel discussion.

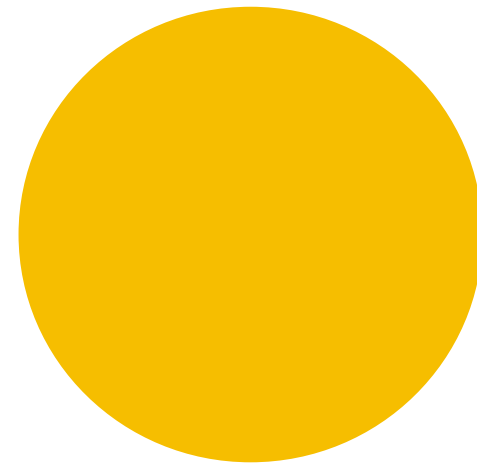
The teachers were especially interested in exploring non-traditional pathways into technology, such as the arts and humanities. The Code for Life team highlighted how innovation in the tech industry requires a diverse range of problem solvers to create the best products in a competitive market. Speaking from experience of operating as a start-up company within a larger organisation, we were able to share how we all had to work closely together, across disciplines, to fulfil our full potential and ensure all areas are covered across the whole product and software life-cycles.

Attendees were given insight into the full process of fulfilling customers' online grocery orders, from supplier to doorstep



Ocado Group Volunteers and Wellbeing

Improving access through translations, videos and editable resources.



“Helping young students discover the world of robotics and coding allowed me to share my passion for technology. It was incredibly rewarding to feel like I was inspiring the next generation of engineers. The experience also helped me refine essential soft skills such as communication, patience, and adaptability, which I can apply in my professional role.”

Anonymous, software engineer

[Get involved >](#)

Code for Life was initially created by a community of volunteers from Ocado Group. Now, a small dedicated full-time team builds the product, drives quality and ensures security of the platform and its data. We are still reliant on our volunteers to contribute to new features, improvements, and help with multiple outreach programs.

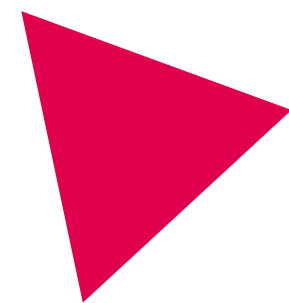
It is a great opportunity for volunteers to also learn and experiment with new technologies in a safe environment. Recently one of our volunteers helped us create the branding for our new Python Den through the use of AI - an example of using technology as a tool to speed up a process.

This opportunity not only helped Code for Life with design work, it also provided an opportunity for our Ocado Group colleague to learn by doing.

Some of our many colleagues that helped us over the year have fed back to us about their experience of volunteering with Code for Life, and how it has impacted their well being and job satisfaction. The majority said that Code for Life activities had a positive impact.

“I think it’s important to spread the voice among kids about what a job in technology is like, as there could be a misconception about tech/engineering jobs given the wide range of applications in this field. Also, it makes my job more meaningful.”

Anonymous, verification engineer



General Activities

80% thought these were really important to job satisfaction

World Tour

67% thought this was really important to job satisfaction

Workshops

50% thought these were important to job satisfaction

Career Assembly

83% thought these were really important to job satisfaction

Volunteer activities

Partnerships

This year, we accelerated our development of new partnerships, and meeting more businesses that are aligned to our values. We teamed up and furthered our reach in Australia and with partners in the UK to get our products to those that need them most.

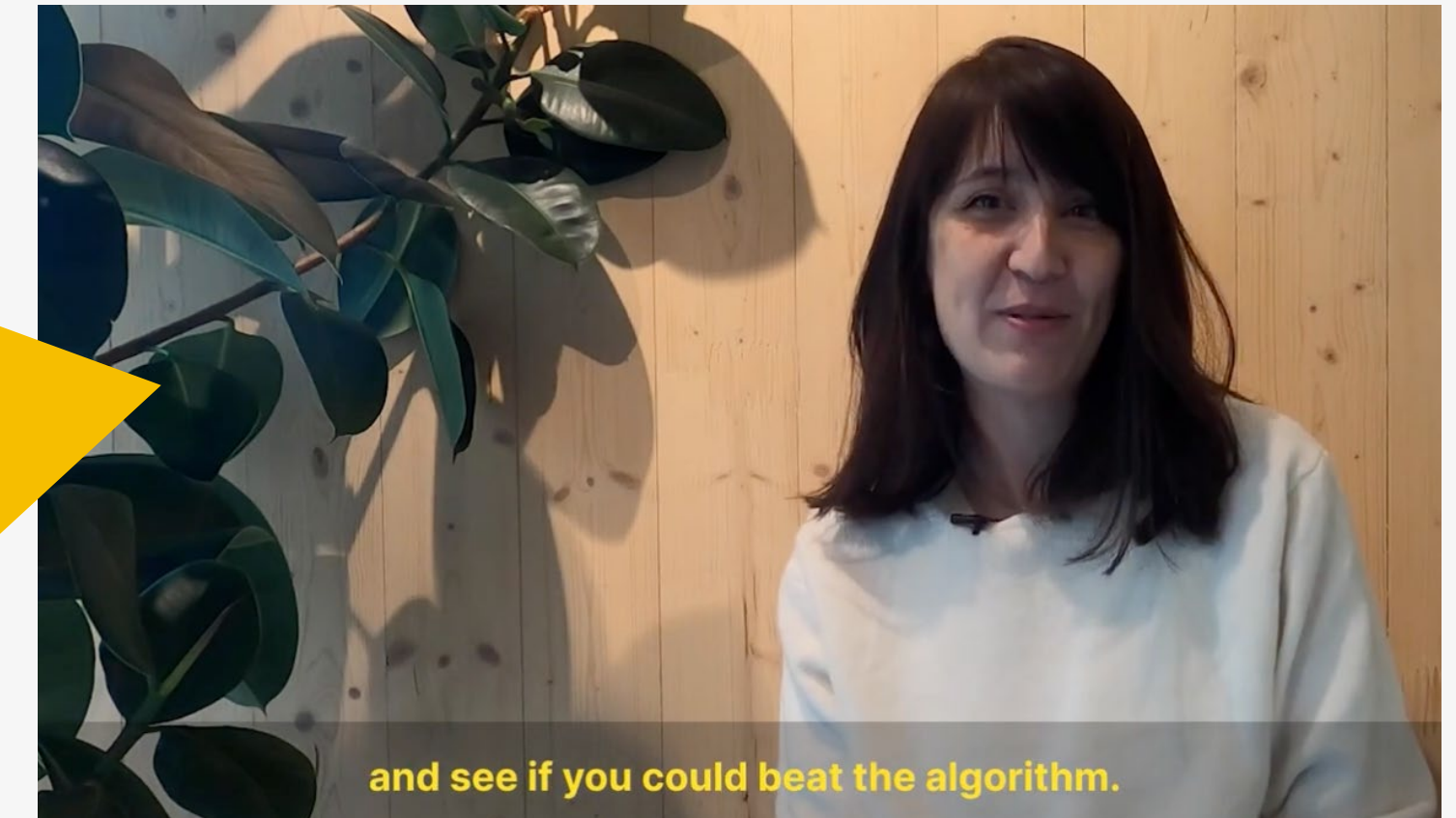
Barefoot Computing AI Explorers

Code for Life partnered with Barefoot Computing, part of Computing at School. We worked together to release a set of resources for pupils aged 9-11yrs, utilising the expertise of our colleagues in Ocado Group. Their insights into the robotics and automation at Ocado Group helped us bring the concepts of Artificial Intelligence (AI) to life through interviews and videos. We ideated the lesson plans together with Barefoot. By discussing the advanced robotics systems used in Ocado Group's warehouses, we were

able to offer real-world examples of AI in action, making the subject matter more tangible and relatable for the children.

With AI being a huge focus in 2023 and 2024, teachers are actively searching for content they can use in their classrooms to keep up with technology. The teaching resources were built around three unplugged activities designed to demonstrate practical uses of AI in an engaging and accessible way.

Volunteers from Ocado Group discussed how we utilise AI within Ocado to make our services more efficient. Image shows still of video used in teaching resources.



Pupils explored how AI is used to solve problems, detect patterns, and create new content, all while learning how these technologies are applied in the context of robotics and automation.

We ensured that the resource was comprehensive and easy to use for educators, offering full activity plans, curriculum links, and all necessary printable materials. The inclusion of real-world examples from Ocado Group's automation systems added an exciting layer of depth to the learning experience.

The project was a valuable collaboration that combined educational goals with cutting-edge industry expertise, helping young learners connect AI concepts to the world around them while inspiring the next generation of problem solvers and innovators.

[See the resources >](#)

In2Science / In2Careers

We have worked with In2Science on a variety of projects over the last few years. This year, we wanted to utilise our relationship with In2Careers to positively impact students from disadvantaged backgrounds.

Our first activity with In2Careers was an inspiring workshop with volunteers from across Ocado Group sharing insights into career pathways in technology. From job hunting to CVs and interview techniques, the Code for Life team, alongside their talented colleagues, shared their own experiences as the job seeker and as the hiring manager. This helped the students to understand new thoughts and influencing factors they may not have considered before. The workshop was a great success with 10 live attendees, which was then recorded for on-demand viewing on the In2Careers video channel.

Code for Life also delivered an in-person event providing an opportunity for the In2Science alumni to take advantage of the Code for Life open source codebase. We set them real world coding tasks talking through the problems and mentoring them through solutions. The event marked a decade of our commitment to delivering free open source games that help to learn computing skills.

Upon arriving at the in-person event, thirteen students were met with a range of diverse tasks, from software development to user experience. Every participant could get involved and

“Opportunities like this are essential in supporting our mission of making STEM careers more accessible to young people from disadvantaged backgrounds, helping to break down barriers and open up new possibilities for our students”

make a meaningful contribution. The atmosphere was relaxed, friendly and inclusive. The kind of environment that encourages engagement and learning.

Beyond the technical learning, the workshop offered an invaluable opportunity for participants to network and build connections within the tech community. The collaborative nature of the event, combined with open discussions about career journeys, gave students insight into potential career paths and the confidence to explore their own futures in tech.



Code for Life delivered an external contributor session for the In2Careers alumni at a shared office space in London.

Case study



Students got stuck into tasks from the Code for Life backlog fuelled by pizza.

The workshop was much more than an introduction to coding. For the participants (volunteers), it was an important step towards building the skills and connections they need to succeed in their desired STEM careers. As Ciara Byrne, the In2Careers and Alumni Coordinator said, "This is a fantastic opportunity for In2careers students to develop their skills, make important connections, and gain experiences to add to their CVs. This will all help them achieve their goals in STEM. Opportunities like this are essential in supporting our mission of making STEM careers more accessible to young people from disadvantaged backgrounds, helping to break down barriers and open up new possibilities for our students".

Danielle Knight, the In2Careers Manager said: "Providing such experiences is incredibly meaningful to the In2careers community. It allows for insight into the world of work, specifically tech, the opportunity to practise and develop coding skills but also demonstrates how to communicate with professionals which in turn develops confidence in generating ideas. In short, the event had a very positive impact. All participants extended their skills and knowledge as well as their confidence and connections."

"In2Careers is incredibly grateful for the ongoing support of Ocado Group and Code for Life, thank you!"



Code for Life helped the In2Careers alumni to get started on various tasks or programming lessons.



[Read the write up >](#)

"All participants extended their skills and knowledge as well as their confidence and connections"

In2Careers alumni got stuck into tasks from our open source backlog with the help of the team.



Looking Ahead

In 2025, Code for Life is looking to embark on a global expansion, focusing on building strong partnerships in Australia and India.

Through collaborations, we aim to broaden our reach, delivering our free coding resources and growing our mentoring scheme through our external collaboration programme.

We will continue to develop and deliver the robotics workshops, career fairs and career talks to a wider network of schools, showing students to real-world opportunities, empowering them to envision a future in technology.

Python Den is only starting its journey for the intermediate and advanced levels of computing. Planned improvements include highlighting errors in the learner's code and providing help text, creating a more supportive environment for teachers and students.

Behind the scenes, we will continue restructuring the foundation of our platform to ensure we are delivering high-quality, scalable services. We're moving away from our current monolithic architecture towards a microservices-based structure, enabling greater flexibility, efficiency, and ease of development. This shift will allow us to be more agile in responding to user needs and support the growing demand for

our resources in schools worldwide. It's a key part of our long-term strategy to ensure Code for Life remains sustainable and responsive as we expand.

We will develop our ambassador program to train volunteers to run Code for Life clubs in communities for both adults and children. Ambassadors will play a crucial role in helping us extend our impact, offering coding clubs where students can learn in a fun, collaborative environment. By equipping ambassadors with the right training and resources, we can ensure that our clubs not only reach more students but also foster a deeper understanding of coding and technology.

In addition, we will continue making industry experience more accessible through our external contributor service, which provides students the chance to work on real-world tasks from our open source backlog.

Effort will continue to prioritise disadvantaged students and schools, ensuring equal access to valuable tech experiences. We are also dedicated to addressing gender perceptions in technology roles, creating a diverse range of role models, and breaking down stereotypes to inspire the next generation of tech professionals.

The Code for Life promise for 2025

We will continue making industry experience more accessible through our external contributor service, which provides students the chance to work on real-world tasks from our open source backlog.

THE CODE FOR LIFE TEAM

[See our coding club packs >](#)

