

AWARDS

- Winner of the Royal Academy of Engineering Excellence Award for Outstanding Pupil (2023)
- Highly Commended- Social Enterprise UK Award-Women Champion (2023)
- Fast Company's 2023 World Changing Ideas - Finalist
- The Prime Minister's Points of Light Award (2023)
- The Big Issue Changemaker (2023)
- National Lottery Young Hero Award (2022)
- Amazing Maker Award: Science Category (2022)
- Big Bang UK Young Engineer of the Year 2022
- WeAreTheCity Rising Star Award: Technology (2022)
- Forbes 30 Under 30 Class of 2022: Social Impact
- Rotary Young Citizen Award (2022)
- Nat West 2022 Wise100
- 2022 Honours List: OpenUK
- Tech4Good People Award
- TechWomen100 Awards
- Women In Tech Aspiring Teen Award
- FDM EveryWoman in Technology Awards - The One to Watch
- 30 women in robotics you need to know about
- Princess Diana Legacy Award
- Princess Diana Award
- Inspiring Juniors UK

CORE COMPETENCIES

- Robotics
- Coding
- Engineering
- Design
- Computing
- 3D printing
- Project development
- Innovation
- Entrepreneurship
- Leading workshops, Teaching
- Public speaking

Design & Technology

- Computer Aided Design (CAD)
- TechSoft 2D Design
- Tinkercad - Lightburn - Prusa Slicer

Programming Language

- Python
- MicroPython
- CircuitPython

Avey Couloute



<https://girlsintocoding.com/> & <https://10tonolimit.com/>



<https://github.com/Avmaker/>



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PROFESSIONAL SUMMARY

Innovative multi-award-winning tech maker, social entrepreneur, female tech advocate and workshop leader, with a passion for inspiring more girls into Tech & Engineering. Founder of Girls Into Coding (GIC), a unique initiative which offers regular free hands-on workshops to girls aged 10-14 to allow them to explore robotics, engineering, coding, physical computing & 3D printing. The success of GIC has enabled me to participate in international events, lead regular tech workshops, give video presentations, write blogs, and have several articles published. As a member of the DesignSpark-RS team, working as a project influencer, I worked on an exciting IoT Air Quality Project where I explored how spaces can monitor CO2 levels & respond to improve user experience.

EXPERIENCE

11/2018 - Current

Girls Into Coding, Founder

- Established 'Girls Into Coding' (GIC), to organise a series of tech workshop events targeting girls aged 10 to 14.
- Empowering girls through engaging, challenging & fun hands-on tech & engineering activities.
- Engaging 1000+ girls every year in unique hands-on workshops in physical computing, coding, robotics, engineering, design & 3D printing.
- Designing & making robotics kits for the GIC program.
- Organising inspiring talks from women and girls doing amazing things in STEM.
- Encouraging more girls to become involved in STEM.
- Creating opportunities to encourage girls to consider STEM education and careers through hands-on tech workshops and events.
- Proactively advocating for greater diversity in the tech sector.
- Adapted to the pandemic by delivering remote hands-on workshops via Zoom.
- Designed & manufactured a range of robotics kits for participants in the live online workshops.

07/2023 – 1 Week

Synechron, London - Digital Consulting & Technology Services

One-week work experience in the Digital, Engineering & Data Department

EVENT PARTICIPATION

Participated in the following events:

- Big Bang Fair, 2022
- Kunda Kids- Confident & STEM kids event - 2022
- Collision Tech Conference, April 2021
- WeAreTechWomen: One Tech World Conference, 2022 & 2021
- STEAM Youth & Community Conference: San Diego University, 2021
- Microsoft International Digi Girlz UNESCO, 2021
- Microbit Live 2020, Dec 2020
- Arm Dev Summit, October 2020
- CMC Changemakers video, July 2020
- Microbit Live 2019 Conference BBC MediaCity, Nov 2019
- Stemettes Future Summit, July 2019
- Mobile World Congress Barcelona, February 2019
- Bett Show, January 2019
- Red Hat CO.LAB, January 2019
- Mozilla Festival, 2019
- Maker Faire Rome 3 Day Event, Oct 2018
- World Summit AI, Oct 2018
- Young Coders Conference, 2018

Achievements

- Delivered hundreds of free hands-on workshops, both face-to-face and virtual through Girls Into Coding events and various outreach programmes.
- Directly engaged 3000+ girls with hands-on Tech & engineering workshops, and with our virtual events we have reached girls from across 16 different countries.
- Raised awareness of how Tech can be used for good by providing hands-on workshops themed around the environment, sustainability, climate change, renewable energy and the circular economy.
- Since launching the GIC programme 90% of attendees are now interested in further STEM activities or education, 72% of attendees are more aware of women working & taking the lead in the STEM sector.
- Established a model that allows all of the workshops and resources to be delivered free of charge. During the Pandemic, produced & sent special robotics kits out to the girls along with other hardware, so they had everything they needed at home to physically participate in GIC online workshops.
- Achieved a 78% increase in participants in 2021 despite the ongoing pandemic.
- Act as role models for other girls, and inspire them to pursue careers in tech & engineering.

INTERVIEWS & GUEST SPEAKING APPEARANCES

- ITV Good Morning Britain, 2022
- BBC London News, 2022
- GB News Live, 2022
- We Are Tech Women: One World Tech Conference 2022
- Kunda Kids - Confident & STEM Kids Event - 2022
- Collision Tech Conference 2021
- We Are Tech Women: One World Tech Conference 2021
- STEAM Youth & Community Conference 2021
- Microsoft International Digi Girlz UNESCO 2021
- Microbit Live 2020
- Arm Dev Summit 2020
- Mobile World Conference Barcelona 2019
- Cajigo: Women Talk Tech series
- The Female Lead, September 2020
- Interview with Ian Bernstein, founder and Head of Product at @MistyRobotics
- Interview with Microsoft CloudSkills Show, Dec 2020
- Women in Tech Week, July 2020
- BAFTA Young presenters, October 2020
- Women Rock
- Womanthology
- Interview with GLAM (Girls Leadership Academy Meetup)
- Raspberry Pi Foundation
- CoderDojo Foundation