

Jonathan Albert Cross

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Objective

As a dedicated Computing and Computer Science Educator, with a solid background in coding and technology education, I am eager to contribute to a computing institution educational project. Using the skills and experience with my ongoing Bachelor of Science degree in Computer Science at The University of Hertfordshire, I aim to develop an impactful learning experience. It would be a privilege to join a team that values continuous improvement and learning, where I can support educational institutions in nurturing a passion for computing and digital creativity among students, enhancing the breadth and impact of computing education.

Technical Skills

Languages: Python | Blockly | Bitsbox | HTML | CSS | JavaScript

Technologies: Raspberry Pi | micro:bit | Robotics & ROS2 | Scratch | Scratch Jr | Kano | Sphero | Wonder Workshop | Minecraft Education | Lego Mindstorms | Ozobots | MERN Stack | Git | React | Web Development | 3D Printing

Operating Systems: Mac OS & iOS | Windows | Linux

Professional Experience

Instructor of Coding

Windermere International Summer School, Windermere, UK (June 2023 - August 2023)

- Spearheaded coding workshops, with 70% of students achieving above-average scores, highlighting the effective instruction and engagement.
- Oversaw the development of web-based projects, instilling best practices in coding standards and software design at Key Stage 4.

Teacher of ICT & Exam Officer Assistant

Windermere School, Windermere, UK (September 2022 – July 2023)

- Developed a comprehensive ICT curriculum from scratch, significantly enhancing the learning experience for Key Stage 2 & Key Stage 3 students.
- Successfully coordinated and administered 15 IB and IGCSE exams, ensuring a seamless assessment process.

IT Technician

Windermere School, Windermere (January 2021 - September 2022)

- Enhanced IT service efficiency, reducing average ticket resolution time by 75% for A/V and student-related issues through a proactive hands-on approach.
- Handled an average of 25 IT support requests daily, maintaining high availability and performance of school IT systems.

Head Coding Instructor

École Française de Londres Jacques Prévert, London (September 2016 - 2021)

- Successfully grew the programming curriculum's enrolment from 16 students to 203 over an eight-year period, demonstrating exceptional programme development and leadership skills.
- Managed a technology resources budget of over £2500, significantly improving the educational technology infrastructure.

Instructor of Coding

École Française de Londres Jacques Prévert, London (September 2012 - 2016)

- Successfully designed and developed coding courses and lesson plans tailored to meet the learning objectives and requirements of both the French and English educational systems.

Education

BSc Computer Science (Expected 2025)

University of Hertfordshire, Hatfield, UK

MERN & NEXT.js Full-Stack Coding Bootcamp (Completed December 2023)

Tech Educators, Cambridge, UK

DipHE in French Studies - Distinction

University of London, London, UK

First-Aider (Valid until 2025)

Seren, Islington, UK

Professional Development

I'm not only interested in my BSc in Computer Science, but I also actively engaged in continuous learning through online platforms like Coursera and Udemy, focusing on advanced JavaScript, React, ROS2 and Node.js, NEXT.js 14 courses. Participating in coding challenges and contributing to open-source projects to refine coding skills and stay abreast of industry trends.

Member of BCS The Chartered Institute for IT – Membership Number: 995143006

Interests

Genuinely passionate about technology and how it shapes our society. Dedicated to continually learning and growing. Outside of work, I enjoy sports, French literature, pondering philosophical questions, and occasionally tackling a triathlon.