**Jonathan Albert Cross**

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[**GitHub**](https://github.com/JonathanAlbertCross)|[**LinkedIn**](https://www.linkedin.com/in/jonathanalbertcross)| [**Portfolio**](https://www.cross.rocks/)

**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 Français 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 Français 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**](https://www.coursera.org/learn/stanford-statistics) and [**Udemy**](https://www.udemy.com/course/ros2-robotics-developer-course-using-ros2-in-python/), focusing on advanced JavaScript, React, ROS2 and Node.js, NEXT.js 14 courses. Participating in [**coding challenges**](https://www.jschallenger.com/) and contributing to [**open-source projects**](https://opensourcefriday.com/) 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.