

Julia Martires

UNIVERSITY OF HERTFORDSHIRE, AL10 9AB, UK

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Personal Profile

I am a second-year Computer Science student with experience in Python, Java, and C++. My academic projects have deepened my understanding of algorithms, software development, and artificial intelligence. I am seeking a placement to apply my programming, problem-solving, and teamwork skills in a real-world setting. I am eager to gain practical experience, contribute to projects, and continue learning in a professional environment.

Skills

- **Programming Languages:** Python, Java, C++, JavaScript, SQL
- **Web Development:** HTML, CSS, JavaScript, Node.js, React
- **Data Structures & Algorithms:** Sorting, searching, trees, graphs, hash tables
- **Operating Systems & Networking:** Transfer Control Protocol/Internet Protocol
- **Teamwork & Communication:** Team collaboration, communication skills, problem-solving.
- **Leadership & Student Engagement:** Event organisation, student representation, community building, teamwork, leadership, branding, and sustainability

Education

UNIVERSITY OF HERTFORDSHIRE (BSc Computer Science - Expected May 2026)

Coursework

- Algorithms and Data Structures
- Database Systems
- Artificial Intelligence
- Operating Systems and Networks
- Computing Things
- Computational Problem Solving
- Accessibility and Usability
- Principles and Practices of Large-Scale Programming

Experience

- **University of Hertfordshire, Student Committee Leader** (*September 2023 - Present*)
Leading student initiatives, organising events, bridging communication between students and administration to strengthen campus engagement and foster a strong community.
- **Participated in Web Accessibility Hackathon** collaborating with a team to improve digital accessibility for individuals with disabilities, conducting usability testing, identifying accessibility barriers, and developing innovative solutions for inclusive design.
- **Developed a Bank Management System**
Restaurant based Web Development made using PHP and css, extending to databases.
- **Led the design of a security surveillance software prototype** conducting research and coordinating team efforts to develop a conceptual model.
- **Built an application on Versace** using Python and MySQL to handle database interactions, demonstrating proficiency in backend development.
- **Completed online courses** in Python, Java, and SQL, gaining programming and database skills.