

Sophia Quesada

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EDUCATION

Lancaster University

Lancaster, UK

BSc in Computer Science (First Class Honours)

Oct 2020 - July 2023

- **Key Modules:** Advanced Programming, Internet Applications Engineering, Artificial Intelligence, Computer Networks, Databases, Human-Computer Interaction, Software Design
- **Dissertation:** 'Eye Gesture Recognition for Human-Computer Interaction using Electrooculography'. This research explores the usage of EOG as an eye-tracking method and machine learning to differentiate between a set of eye movements and gestures for potential applications in HCI. A [short paper version](#) was submitted, passing several rounds to be published and presented to the HCI conference, INTERACT 2023.

WORK EXPERIENCE

Marks & Spencer

Tolworth, UK

Hospitality Customer Assistant

Oct 2023 - Present

- Prepare a variety of baked goods and deli items according to standardised recipes and procedures, ensuring quality and consistency.
- Managed various responsibilities including stock ordering, customer service, cash register operation, and maintaining food safety and hygiene standards, including proper storage, handling, and sanitation practices.
- Proactively addressed customer concerns, found effective solutions to ensure their satisfaction, and excelled in several TSL checks, demonstrating knowledge of food allergy and safety guidelines.

Lancaster University School of Computing & Communications

Lancaster, UK

Student Ambassador

Mar 2022 - July 2023

- Collaborated closely with a dynamic team of 10-20 staff members and fellow student ambassadors.
- Contributed to the success of events, ensuring seamless execution of open days and other departmental activities.
- Used Unibuddy and The Student Room platforms to engage with students informally, offering guidance and receiving consistently positive feedback for my effective communication style.
- Conducted compelling presentations to groups of up to 40 individuals, showcasing insights on a module and delivering live demonstrations of our team's video game project.

Greater Manchester AI Foundry

Lancaster, UK

AI Product Development Intern

Mar 2023 - May 2023

- Designed and implemented a Python-based user interface for image comparison, leveraging machine learning libraries like TensorFlow and Keras.
- Utilised computer vision techniques, including feature extraction and object detection, to preprocess and analyse image data with precision.
- Ensured the reliability and robustness of the UI through extensive testing and debugging efforts.
- Demonstrated excellent time management skills by successfully handling multiple tasks and meeting deadlines independently.
- Effectively communicated progress updates and resolved technical issues with team members and the partner company.

LEADERSHIP EXPERIENCE

Lancaster University Feminist Society

Lancaster, UK

Media & Publicity Officer

Jun 2022 - May 2023

Treasurer

Oct 2021 - Jun 2022

- Managed social media accounts, creating informative and engaging content for Instagram and Facebook.
- Collaborated with other executive members to manage the society's internal workings, and coordinated over 40 weekly sessions, 5 partnered discussions, and social events.
- Organised successful fundraisers, including a £243 contribution to Period Poverty UK and a £153 donation to abortion funds in the USA in light of Roe v. Wade, as well as hosting a showcase on International Women's Day 2023 raising £202.
- Increased social media followers by approximately 280% and grew official membership from 94 to 121.

SKILLS & INTERESTS

Skills: Microsoft Office (Excel, PowerPoint, Word) | Programming (Java, Python, C) | GitHub | Graphic Design

Interests: Machine Learning, AR and VR, UI/UX, Equality and Diversity, Reading, Heritage Preservation