Harry Michael-Iacovou

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Summary

An ambitious final-year BSc Hons Computer Science student at Lancaster University, with a keen interest in Software Development. A team worker, as well as being adaptable to changing and fast paced environments. Meets deadlines, and always strives to make work that stands out.
I am seeking opportunities in London and potentially internationally, working in full-stack development.

Experience

Undergraduate Teaching Assistant
Lancaster University
Oct 2022 - Apr 2024 (1 year 7 months)
Providing teaching and support to first and second-year Computer Science students during term-time practical sessions, helping students to progress in their learning and understanding of the fundamentals of computer science, software development and operating systems.

Invited to become a part of the teaching assistant team in 2022 and again in 2023.

The topics I have supporting students with include:

Fundamentals of Computer Science module
Discrete mathematics
Data structures
Operating systems (concurrency and filesystems)
Software Development module
Programming in Java
Git Version Control
Collaboration when programming

Work Experience/C# and React Development
Aethersys
Jul 2023 - Sep 2023 (3 months)
Gaining valuable knowledge creating real-world networked financial software in React, HTML, JavaScript and C#
- Version control in a business
- Testing and debugging
- Making server software thread-safe with concurrency
- Increasing usability on front-end website, making affordances clearer using HCI knowledge
- Communicating with team to form best solutions for problems presented
- Using a mediator design pattern in large-scale projects
- Using API calls to get and process data
- Database management, including successfully migrating multiple database tables to ensure data loss does not occur

- I was assigned an analytical project to produce useful tables using information from the Git and the Azure DevOps API about contributions for managers to evaluate staff performance

IT Operations Assistant
Information Systems Services (Lancaster University)
Apr 2022 - Jun 2022 (3 months)
This role is important and plays a large part in the smooth and effective running of IT services at the University.

Teaching Space Checks: I examine and test IT equipment in lecture theatres and other teaching spaces to look for issues that could impact teaching or other uses of the space. If issues are found I troubleshoot and report these issues to IT staff so they can be rectified as soon as possible.

Workshop: In this part of the role I mainly restocked equipment in different spaces around campus. I also updated software and firmware on devices. Another thing I did in this role is research software products and services that the University are looking for and find options that give optimum results.

Freelance Occasional Bookkeeping/Admin/Tech Support for Family Business
Kuki Hair
Jan 2017 - Oct 2021 (4 years 10 months)
(I am not employed, I just do occasional work when asked to by the company)

I frequently do freelance work when asked by Kuki Hair, a highly-rated hair salon in Peckham. This comprises of both bookkeeping/admin work, as well as IT support.

Bookkeeping: Includes collecting and sorting invoices, receipts, bills, calculating commissions, setting up and managing online booking system. Along with other help with the bookkeeping side in the business.

Tech Support: Fixing a variety of issues including with Internet access, Computers, Microsoft Office programs, card reader, etc, and offering advice whenever needed. Notably, I played a large part in migrating the company from paper-based records and appointment booking, to a fully electronic system with online bookings, integrated PoS system and online payment processing.

Education

Lancaster University
Bachelor of Science - BSc Hons, Computer Science
Oct 2021 - Jul 2024
Now in the final year of a three-year Computer Science course. Additionally, took a Part I minor in Accounting & Finance. I am currently on track for a first.
Some notable projects include:
- A program in C to read and interpret data from a raw FAT16 image, displaying internal folders and reading files. I created a custom file-handler that assigns descriptors to the files in the image. (Received 100% [A+])

- A group project in Java to create a Pixel-Based Graphics Editor, using key programming principles such as extensibility to make a highly functional and robust program. We utilise the Git version control system with a topic-branch Git workflow. (received A, A+ and A on three parts of project)

Langley Park School for Boys

A-Level, Computer Science, Politics, Media Studies
2019 - 2021
Computer Science - A
Media Studies – B
Politics - C

Licenses & Certifications

Digital Skills Certificate - Lancaster University

Skills

Object-Oriented Programming (OOP) • C# • JavaScript • TypeScript • React.js • Microsoft SQL Server • Web Development • University Teaching • Communication • Discrete Mathematics