Hijithan Arunthavarajah

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RELEVANT EXPERIENCE

Software Engineer, HPE, Bristol/Remote, July 2023–Present

- I worked on feature development and bug fixing for some of HPE's industry-leading and next-generation storage products, using languages such as C, C++ and Tcl. I've written many automation test scripts using Python and Perl to complement our extensive testing framework.
- I also became familiar with the agile/scrum development workflow in an industry environment and had the opportunity to collaborate with engineers from different geographical areas.
- I've had a successful year as an intern at HPE, working part-time with them during my final year.

Teaching Assistant, Royal Holloway, Egham, *Sep 2024–Present*

- I have assisted in teaching introductory/intermediate CS courses, including programming laboratory and Software engineering. In these courses, I have helped students understand Python, Java, TDD and Git terminology.

EDUCATION

Royal Holloway, Computer Science Year in Industry, *Sep 2020-Present*

- **First Year**: On average got 85%, **Second Year**: On average got 89%

St Pauls Catholic College, GCSE and A-Levels, *Sep 2013-Aug 2020*

- 8 **GCSE'S** grades from 7-4, **A Levels**: Math - A, IT - Distinction*, Physics - B

PROJECTS

VS Code Theme Extension - Github, Market Place Website

- I created this theme to suit my exact preferences and give me full control over any customizations I want. The theme features a black and green colour scheme, complemented by vibrant neon syntax highlighting. It's available for download on the Visual Studio Code Marketplace.

Postfix/Infix Calculator - Github

- I created a CMD and GUI calculator in Java, applying Test-Driven Development (TDD), Maven for project management, JUnit tests, and Git practices like tagging and branching. This project strengthened my software engineering skills and reinforced solid development methodologies..

Lego Robotic Bunny - Github

- This project, developed as a first-year university assignment with three other students, involved designing and building a robotic bunny using LEGO bricks, the LeJOS EV3 platform and Java. The robot mimics a real bunny's behavior, responding to environmental stimuli like sounds, colors, and obstacles.

VOLUNTEERING

- **Royal Holloway CS/Math Mentor:** I helped first year students with modules they found challenging in workshops.
- **First Lego League:** I helped develop/update software for the website the competition is held on.
- **Winterbourne Academy Mock Interviews:** Helped Year 11 students prepare for job interviews.
- **HPE Work Experience:** Spent a week being a mentor for students doing work experience at HPE.

SKILLS AND LANGUAGES

- **Skills:** Python, C, C++, Java, Perl, HTML, CSS, Git, Visual Studio, VSCode, Eclipse, Vim, Unix/Linux, TMUX, Scrum/Agile Development.
- **Languages:** English and Tamil

AWARDS

- I achieved the Pastoral and Academic Excellence awards in my year group for **5 years** during GCSE/A Levels.

REFERENCES

- My **Manager** at HPE - John Mackelden - john.mackelden@hpe.com
- My **Mentor** at HPE - James Garret - jgarrett@hpe.com