Jack Bond-Preston

Computer Science student with a special interest in Software Engineering.

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EXPERIENCE

Teaching Assistant — University of Bristol

September 2019 - Present

Assisting with delivering content within two second year Computer Science units - Concurrent Computing and Software Product Engineering.

This role involves:

- Assisting students both in and out of lab sessions with their formative and summative practical work.
- Occasionally delivering teaching content through short demonstrations in labs.
- In Software Product Engineering, acting as a mentor to two teams and having regular meetings with these teams.

I have additionally:

- Delivered some content through short demonstrations in labs.
- Taken a lead role in developing a new lab session for Concurrent Computing, based on POSIX threads.
- Assisted with building an automatic marker for Concurrent Computing coursework, to generate marksheets pre-filled with basic information about targets the students' coursework does or does not meet.

Software Engineer — University Project for Potato Bristol

Reference available. October 2018 - May 2019

Worked with a team of 3 other students to build a library web application for Potato Bristol, as part of the Software Product Engineering unit. Our team achieved the highest unit mark, and were awarded the prize for Best Second Year Project 2018/2019.

Working on this project included:

- Developing a Spring Boot backend, a Vue.js frontend, and a MySQL database.
- Developing user stories and organising these into sprints.
- Working together to monitor progress and distribute work at twice-weekly "stand-ups."
- Completing 76 user stories over 6 sprints as a team.
- Releasing an MVP after our first 4-week sprint.
- Utilising TDD with CI/CD on Gitlab.
- Designing an OpenAPI beforehand and using this to develop frontend and backend in parallel.
- Designing a relational database with MySQL.
- User testing in the final stages of the product.

PROGRAMMING LANGUAGES

I have completed university projects with:

- C
- C++
- Java
- Go
- Javascript/ECMAScript
- MySQL
- Python

EDUCATION

MEng Computer Science — University of Bristol
3rd Year, 2017-2021
69% average in second year, including 86% in Software Product Engineering and 77% in Concurrent Computing.

A Levels — Sir Isaac Newton Sixth Form
2015-2017
AAA in Maths, Chemistry and Computer Science.

LANGUAGES

English - Native
German - CEFR A2/B1