JAMES WARD
ASPIRING FULL-STACK DEVELOPER

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OBJECTIVE

Final year Computer Science & Mathematics student based in Edinburgh, with a passion for learning and writing quality code, with experience of agile software engineering in a professional context through previous internship and work experience. Looking to further develop my skills and experience through a software engineering internship.

EXPERIENCE

Intern Software Engineer • xDesign • Edinburgh, UK
June 2023 – August 2023
- Collaborated with a cross-functional team to design and develop a Payroll Calculator and Pension Pot Estimator from scratch in just 3 months for future white-labeling.
- Demonstrated the application at a company-wide event in front of 300+ people, facilitating beta testing and gathering user feedback.
- Quickly acquired knowledge of TypeScript, React, Sass, and Next.js to create a single-page application with data visualizations using Chart.js and custom UI components with React Select.

Bartender • Bar Salsa • Edinburgh, UK
July 2022 – August 2022
- Provided a quality and friendly service to all customers.
- Developed and maintained positive working relationships with fellow barstaff at the venue.
- Complied with alcohol licensing laws.

Work Experience • Blueberry Consultants • Birmingham, UK
June 2019
- Developed software to synchronise contacts from multiple email accounts using Gmail and Outlook APIs.
- Improved the effiency of and added comments to a legacy program for use by future developers.

PROJECTS

Hack the Midlands
- Created a version of the game Pong played using only face detection and presented in front of an auditorium of 300+.
- Helped the development of a 3D game in Unity.
- Won a prize awarded by Majestic.

PizzaDronz
- Developed and implemented an algorithm to navigate a drone across Edinburgh to collect and drop off pizzas while avoiding private areas.
- Obtained and handled flightpath information dynamically using a REST API.

EDUCATION

BSc Computer Science & Mathematics
University of Edinburgh
Grade: 1:1 (Expected)
2020-2024 (Expected graduation: July 2024)
Dissertation: "Machine Learning and Metric Magnitude"
Modules Including:
Honours Complex Variables (92%)
Operating Systems (91%)
Several Variable Calculus (98%)
Probability (97%)
Intriduction to Computer Systems (91%)

A-Levels: A*A*A*A*
GCSEs: 9x 9, 1x 8 (including Mathematics & English)
Bishop Vesey's Grammar School

SKILLS

- PYTHON
- TYPESCRIPT
- REACT
- FLASK
- JAVA
- C
- C++
- R
- HTML/CSS/JS
- GIT
- HASKELL