

ZACHARY UPSTONE

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EDUCATION

University of Bath

2020 - 2024

Computer Science BSc - First Class Honours - Overall grade – 74.51%

Units including: Final year project (Dissertation), Logic and semantics of programming languages, Entrepreneurship, Graphs and Networks: Theory and Applications, Reinforcement learning, Advanced graphics processing, Safety-critical systems

Chesham Grammar School

2013 - 2020

A level: Further Mathematics (A), Mathematics (A*), Computer Science (A), Physics (A).

GCSE's: 4 grade 9's, 2 grade 8's, 3 grade 6's, 1 grade 5, 1 grade A

SKILLS

Web Development: Vue, Angular, React, Typescript, javascript, PHP

Test Development: Gherkin, Selenium

Programming Languages: Java, Python, C++, C

Native Development: Swift, SwiftUI, Java/Kotlin

Miscellaneous: Docker, Jira, SQL, Float, Bitbucket, Github

EXPERIENCE

Pugpig

London, UK

Product Developer

10/2024 - Present

- Worked on web code adding new features and fixing bugs, including localisation and controllable theming work.
- Worked on native code adding custom SDK's, redesign features and introducing new functionality.
- Worked on backend code including express, managing the theming, localisation and content of 100's of Newspapers/magazines.

Bsquare

Trowbridge, UK

Student Software Developer

07/2022 - 06/2023

- For 6 months I worked in the development team for SquareOne in which I fixed bugs, produced new features (such as an OS updates page and a tour for a product) and tested code during QA sprints.
- For another 6 months I worked in the QA team, in which I wrote automated tests (for API and UI), performed manual tests and managed the delegation of manual testing during the QA sprint.

PROJECTS

- **Snowstorm** - Created snow animations in a range of languages(Assembly, C, D, C++, Rust).
- **Chrome Context Control** - Created a Chrome extension to allow control of the context menu.
- **Traffic Simulator** - Created a graphical traffic simulation in C, with controllable flow rates.
- **Spotify Roulette** - Built a React game using the Spotify API for guessing who a song belongs to.

ACHIEVEMENTS

- Competed in BathHack 2021 and 2024 using React both times producing web games.
- Volunteered at WorkAid for 18 months
- Gold DofE

REFERENCES

Alan Hayes

Personal tutor at the University
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Hannah Stainer

Operations manager at BSQUARE
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