

# ZACHARY UPSTONE

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## EDUCATION

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**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

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**Web Development:** Vue, Angular, React, Typescript, Javascript, PHP

**Native Development:** ObjC, Swift, SwiftUI, Java/Kotlin

**Test Development:** Gherkin, Selenium

**Other Programming Languages:** Java, Python, C++, C, C#

**Miscellaneous:** Docker, Jira, SQL, Float, Bitbucket, Git

## EXPERIENCE

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**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 SDKs, revising ObjC features and introducing new functionality such as Toast messages.
- 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

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- **Short Storey** - Full stack web application for sharing and rating short stories using Vue and TS.
- **Snowstorm** - Created snow animations in a range of languages(Assembly, C, D, C++, Rust, Ada).
- **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.

## ACHIEVEMENTS

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

## REFERENCES

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Available upon request