Joshua Severn

Junior Software Developer

Profile

Results-driven software developer, with a good track record of meeting project deadlines and specifications; meeting challenges face-on.

Proficient in Vue.js, JavaScript, Python, C# and Java.

Works well independently or in a group, both as a leader or team member.

Has worked with Unity for game development, keen to learn other engines.

Has a passion for creating games and engaging user experiences.

Eager to progress and expand expertise in new technologies, while delivering top-notch solutions.

Contact

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Education

University of Southampton

SEP 2021 – JUL 2024
Bsc Computer Science, Honours 2:1

Cloud Development (Final Year Project, Grade A)

- GitHub project analysis dashboard, for researching software ecology of GitHub projects.
- Front-end created using Vue.js. Deployed using GitHub Pages.

Game Development (Grade A)

- Designed and developed games to teach users mechanics, and to present engaging narratives.
- Pair programming project using GitHub version control and Unity.
- Projects are available to view on itch.io (see contact details).

Cyber Security (Grade A)

- Created a professional technical report on multiple cyberattack case studies.
- Recognising several common cyberattack approaches, including social engineering and denial of service.

Distributed Systems (2nd Year Group Project, Grade A)

- Designed and produced software to manage aircraft landing calculations.
- Following SCRUM patterns to meet project deadline with quality product.

UTC Oxfordshire

SEP 2019 – JUL 2021
Mathematics (A*), Further Maths (A*), Physics (B), Extended Project (A*)

Extended Project Video Essay

- Informational and entertaining video evaluating the height of the "violent video games" debate from 2020-21.
- Professionally applied project management and planning skills.

Employer Led Projects

- Weekly challenges collaborating with various local engineering and science businesses, with work experience prizes.
- Below are some of the projects of which won awards
  - Network Rail: designing with CAD and presenting a device to help keep rails clean from leaves.
  - BMW Mini: presenting an informational and entertaining video on electric cars.
  - CCFE: creating an interactive quiz for a group of visiting students about fusion energy.

Skills

Technical

- User Interface Design
- Microsoft Office Skills (Word, Excel, Teams, PowerPoint)
- Cloud Applications (Azure, Google App Engine)
- Cyber Security

Languages

- JavaScript and HTML (Vue.js)
- Python (Azure Backend)
- C# (Unity)

Experience

Oxehealth

NOV 2019 – MAR 2020
Software QA, Work Experience

- Working with a large team to perform tests on patient monitoring systems.
- Engaged with company discussions and meets with UI designers to help create an ergonomic and intuitive app interface.

Personal Tutor

MAY 2019 – JAN 2024

- Private tutor of GCSE and A Level Maths, Physics and Computer Science.
- Very positive feedback from parents and students. Students made marked improvement and achieved excellent results.

Awards

- Lord Baker Award for Technical Education (Dec 2021)
  - For repeated successes in my UTC's employer led projects and A levels, award presented at the House of Lords.
- Oxfordshire High Sheriff Young Engineer Award (Jan 2019)
- Chief Scouts Gold, Silver and Bronze awards
- CyberFirst Advanced SQCF Level 6 (Jan 2020)