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JAMES SPARROW

Computing Science BSc
University of East Anglia (UEA)

CURRENT POSITION

Open Answers Ltd
DevOps Software Developer *(July 2024 - Present)*

SKILLS

Frontend

HTML / CSS / Javascript
Typescript
React / Redux
VueJS / Nuxt

Backend

PHP / Laravel
SQL
Express / NodeJS
NestJS

Testing

Selenium
Cucumber
Nightwatch JS

Programming

C / C++
Rust
Java
Python
C#

Tech Skills

Git / GitHub
Linux
Shell Scripting
AWS

Other

Clean UK Driving Licence

EDUCATION

Computing Science BSc (2:1) *(Aston University + University of East Anglia)*

First Year (Aston)

- Object Oriented Programming
- Computer Systems
- Internet Applications and Design
- Mathematics for Computer Professionals
- Business Aspects of Computing
- Professional and Social Aspects of Computing

Second Year (UEA)

- Programming 2 (C/C++/Java)
- Architectures and Operating Systems
- Analogue and Digital Electronics
- Software Engineering
- Data Structures and Algorithms
- Embedded Systems

Final Year (UEA)

- Advanced Programming
- Machine Learning
- Developing Secure Software
- Artificial Intelligence

PAST WORK EXPERIENCE

Open Answers Ltd

University Year in Industry Placement *(August 2022 - September 2023)*

- Writing and debugging selenium tests for multiple software projects
- Maintaining / bug fixing for Typescript-based web projects *(Vue.js / Nest.js)*
- Engaging with project management workflow on Gitlab (creating/updating issue pages, merge requests etc.)
- Fulfilling customer requirements for newly requested features (Including UI mock-ups, additional system functionality)
- Development of in-house company tools, including a Slack weekly attendance tracker and a test tracking bot *(Node.js and AWS Lambdas / DynamoDB)*

Co-operative Group

Customer Team Member *(February 2020 - July 2020)*

- Handling deliveries
- Serving customers at the tills
- Keeping the shop floor and storage room stocked and clean

PERSONAL PROJECTS

8-Bit Ground Up Development Project

My final year project at University, to develop my own 8-bit system architecture from the ground up.

HanziBase (www.hanzibase.net)

Web database of Chinese characters, presented with stroke order and information retrieved using APIs from multiple sources. Made with Express.JS and React.

HOBBIES / INTERESTS

Foreign language study and Linguistics, Low-Level systems, Linux, Unity game development, pixel-art and general game-art, photography, hobby electronics, Russian literature, Chinese calligraphy.