

EXPERIENCE

Software Engineer

July 2021 – Present

Avco Systems

Slough, UK

Full-stack web and mobile development across several bespoke software projects.

Key Experience:

- Led an agile development team to produce updates to several established projects, including dashboards and API integrations for tracking and audit systems.
- Liaised with customers to scope out new work and provide estimated costs, timescales, mock-ups and specifications.
- Managed and supported software deployments with GitLab CI, AWS and MongoDB Atlas.
- Ensured software quality with thorough code reviews, written test plans and automated unit testing with XUnit and Jest.



C#/.NET



React



MS-SQL



MongoDB



AWS

Software Engineer

July 2019 – September 2020

Xceptor

Guildford, UK

Placement year – Full-stack web development for a global, financial data automation platform.

Key Experience:

- Contributed to major feature updates and bug fixes for a large and complex product.
- Participated in agile development practices including frequent peer review, using Git and Azure DevOps.
- Ensured good unit test coverage of all new code using NUnit and Jasmine.
- Completed ad-hoc CI/CD pipeline improvements and performance testing with JMeter.
- Completed application security and UX training as well as an internal Hackathon.



C#/.NET



AngularJS



TypeScript



MS-SQL

PROJECTS

Completed a varied range of programming projects, both academic and personal, including:

- A test platform for distributed algorithms that created networks, simulated failures and displayed live performance statistics and charts. Built with Elixir and Phoenix framework.
- A React poll sharing application enabling simple configuration and clean visualisation of results with Material UI and ChartJS. Integrated with Supabase API and PostgreSQL for user authentication and storage.

Read more: 🔗 chrisdueck.github.io/projects

EDUCATION

BSc Computer Science

September 2017 – July 2021

University of Surrey**First Class Honours (91%)****Final Year Project:**

Experimental Analysis of Synchronisation Methods for Byzantine Consensus (Distributed Systems Research)

Optional modules taken:

Computer Security

Advanced AI

Natural Language Processing

Distributed Systems

A Levels**Theale Green School****A*AB** – Computer Science, Mathematics and Physics**A** – French (AS-Level)**GCSEs****A*×4, A×6, B×1** incl. English, Maths and Science**Other****ILM Level 3** – Leadership and Team Management**BTEC Level 2** – Teamwork and Personal

AWARDS

The Gold-i Prize

October 2019

University of Surrey

Awarded for achieving the best performance in the second year module 'Further Programming Paradigms', covering Advanced OOP with C++, Functional programming in Haskell and Logic programming in Prolog.

CVQO Regional Ambassador

July 2016

CVQO

Elected CVQO Regional Ambassador for the South, following participation in regional finals for the Duke of Westminster Award, a competition organised by the Cadet Vocational Qualification Organisation for top cadets from all services across the country.

VOLUNTEERING & OTHER

Course Representative

October 2018 – August 2020

University of Surrey

- Collated and presented student feedback.
- Liaised with staff to quickly resolve pressing issues.

Staff Cadet Warrant Officer

January 2017 – September 2017

RAF Air Cadets

- Supervised and trained 30+ cadets, 4 hours per week.
- Achieved Best Cadet and Best Non-Commissioned Officer awards for 2402 squadron.
- Rose to the highest rank of Cadet Warrant Officer in recognition of experience and leadership.