Chris Dueck

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PROFESSIONAL EXPERIENCE

Software Engineer   **Avco Systems**
July 2021 - Present   Slough, UK

Full-stack web, mobile and desktop development across a range of 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   Go   AWS   MongoDB

Software Engineer   **Xceptor**
July 2019 - September 2020   Guildford, UK

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

Key Experience:

- Developed new features and bug fixes for a large and complex financial software product.
- Participated in agile development practices including frequent peer review, using Git and Azure DevOps.
- Improved test coverage across frontend and backend code, including integration and e2e tests.
- Completed ad-hoc CI/CD pipeline improvements and performance testing with JMeter.

C#/.NET   AngularJS   TypeScript   MS-SQL

PERSONAL 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.net/projects

EDUCATION

BSc Computer Science   **University of Surrey**
September 2017 - July 2021

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* $\times$ 4, **A** $\times$ 6, **B** $\times$ 1 incl. English, Maths and Science

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Other
ILM Level 3 - Leadership and Team Management
BTEC Level 2 -Teamwork and Personal

AWARDS

The Gold-i Prize   **University of Surrey**
October 2019

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   **CVQO**
July 2016

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   **University of Surrey**
October 2018 - August 2020

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

Staff Cadet Warrant Officer   **RAF Air Cadets**
January 2017 - September 2017

- 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.