

Matthew Jones

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GitHub: <https://github.com/TheEighthByte> | Website: <http://theeighthbyte.com>

WORK EXPERIENCE

C++ Developer Intern

June 2018 – August 2018

University of Wales Trinity Saint David – Swansea, Wales, United Kingdom

- Implemented new features for a C++ Qt application used by company reaching 400,000 customers annually.
- Streamlined existing processes, resulting in significant time and money saved given large scale of operation.

Research Engineer

September 2017 – May 2018

Arqiva – Exeter, England, United Kingdom

- Designed and built bespoke Android application to conduct research for the benefit of Arqiva, who own over 98% of all telecommunications infrastructure in the UK.
- Published report detailing findings for Arqiva's internal use.

EDUCATION

University of Southern California: Master of Science in Computer Science

August 2018 – May 2020

Los Angeles, California, United States

Courses: Analysis of Algorithms

University of Exeter: Master of Engineering in Electronic Engineering and Computer Science

September 2014 – May 2018

Exeter, England, United Kingdom

GPA: 3.33/4.00 (equivalent)

Courses: Machine Learning (A), Software Engineering (A), Object-Oriented Programming (B), Computer Modeling and Simulation (A), Android Development (A)

SKILLS

- **Proficient:** Python, Java, Android, C, C++ (incl. Qt), HTML, CSS, JavaScript
- **Prior experience:** Golang, Rust, Ruby, Flask, Django, PHP, SQL, OpenGL

PROJECTS

Scientific Calculator (C++)

June 2018

- Performs a plethora of scientific operations, with a C++ Qt GUI component,
- Calculates any expression for a variety of mathematical purposes.

Chess Game (Java and C++)

October 2017

- Developed user-friendly Java Swing and C++ Qt chess applications.
- Facilitates a user's desire to play a two-player chess game against a human opponent or against an AI of varying difficulty.

Weather Forecast Application (Java for Android)

April 2017

- Integrated Android application incorporating Google Maps and OpenWeatherMap APIs.
- Generates a personalized forecast for any location on Earth.

EXTRA-CURRICULAR ACTIVITIES

Awards: UKMT Senior Mathematics Challenge Silver Award, Duke of Edinburgh Bronze Award (volunteering, skill, sport, expedition)

Duties: Mathematics Subject Ambassador for Olchfa Sixth Form, British Heart Foundation volunteer, Fundraiser for Guide Dogs for the Blind

Clubs: Exeter University Lacrosse, ACM