

Matthew Jones

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WORK EXPERIENCE

C++ Developer Intern

June 2018 – August 2018

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

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

EDUCATION

University of Southern California: Master of Science in Computer Science

August 2018 – May 2020

Los Angeles, California, United States

Courses: Analysis of Algorithms, Operating Systems, Web Technologies

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

September 2014 – May 2018

Exeter, England, United Kingdom

Courses: Software Engineering, Digital Signal Processing, Machine Learning, Object-Oriented Programming, Computer Modeling and Simulation

SKILLS

- **Proficient:** Python, C++, C, Java, Git, HTML, CSS, JavaScript
- **Prior experience:** Flask, Django, Ruby, C#, SQL, Rust, Golang

PROJECTS

Scientific Calculator (C++)

June 2018

- Developed a Qt GUI calculator that performs a plethora of scientific operations.
- Calculates any infix expression with Shunting-Yard and Reverse Polish Notation; useful for many purposes.
- Created modular design, allowing new functionality to be added seamlessly.

Chess (Java and C++)

October 2017

- Programmed user-friendly Java Swing and C++ Qt chess applications.
- Made it easy for two players to have a game of chess on a computer, with only necessary functions included.

Weather Forecast Application (Java/Android)

April 2017

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

EXTRA-CURRICULAR ACTIVITIES

UKMT Senior Mathematics Challenge 2013 – Silver Award

- Achieved 3rd highest score out of more than 100 test-takers.

Volunteer – IEEE International Conference on Biometrics: Theory, Applications, and Systems 2018

- Supervised poster session with more than 20 international researchers.
- Collected presentation photographs for future media usage and assisted guests and speakers at the question and answer sessions.

Fundraiser – Guide Dogs for the Blind

- Engaged people at their homes to collect donations for training new Guide Dog Puppies.
- Initiated two standing orders with members of the public in one week, each agreeing to give over £10 (\$13) per month to the charity.