Matthew Jones

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EDUCATION

University of Southern California – Los Angeles, CA   **August 2018 – May 2020**

- **Master of Science** in Computer Science

University of Exeter – Exeter, UK   **September 2014 – July 2018**

- **Master of Engineering** in Electronic Engineering and Computer Science

Telecommunications Monopole Research Project

- Designed and built bespoke Android Java application to conduct field research on monopoles for major UK telecommunications company, reaching over 98% of population.
- Published report detailing findings for future corporate and academic reference.

WORK EXPERIENCE

Software Developer, Intern – University of Wales Trinity Saint David   **June – August 2018**

- Implemented new features and improved performance for a C++ Qt application used by company reaching over 400,000 customers annually.
- Streamlined existing research processes with new functionality, resulting in potential for significant savings of time and money.

PROJECTS

EZ ML: Build-Your-Own Machine Learning Classifier – SB Hacks V   **January 2019**
Technologies used: HTML, CSS/Bootstrap, JavaScript, Python, Flask, scikit-learn, Twilio API, Google Cloud Platform

- Developed web application with various classifier and parameter options to allow client to build their own Machine Learning model without writing any code.

PyTetris   **October 2018**
Technologies used: Python, PyGame, NumPy

- Created fully-featured Tetris game using Python.

Scientific Calculator   **June 2018**
Technologies used: C++, Qt

- Designed modular calculator application with GUI design featuring over 20 scientific operations while allowing trivial implementation of new functionality.

Chess Game   **October 2017**
Technologies used: Java, Swing, C++, Qt

- Programmed user-friendly Chess game in both Java and C++, featuring minimalist GUI designs implemented using Swing and Qt respectively.

Weather Forecast Application   **April 2017**
Technologies used: Java, Android SDK, OpenWeatherMap API, Google Maps API, JSON, XML

- Integrated mobile application incorporating Google Maps and OpenWeatherMap APIs to fetch weather information for any chosen point on Earth and present to client.

EXTRA-CURRICULAR ACTIVITIES

IEEE International Conference on Biometrics 2018: Volunteer

- Supervised poster session with more than 20 international researchers.
- Collected presentation photographs for future media usage.
- Assisted guests at front desk by providing information and directions.

UKMT Senior Mathematics Challenge 2013: Silver Award

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

Duke of Edinburgh Award 2011: Bronze Certificate

- Completed modules in skill, volunteering, sport and expedition.

SKILLS

Languages/core skills: Python, Java, C, C++, Rust, Go, C#, HTML, CSS, JavaScript, Ruby, OpenGL, Git, Unix/Linux
Technologies: Bootstrap, Flask, Django, Node.js, Angular.js, PHP, Ajax, GCP, jQuery, SQL, Qt