

James Christie

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5 Staites Orchard
Upton St. Leonards
Gloucester, UK

Experience

Genomics PhD Student

The University of Queensland

January 2019 - May 2019

- Awarded full UQ tuition and living stipend scholarship
- Supervised by Professor Peter Visscher and Dr Loic Yengo Dimbou
- Used large linux clusters to perform quantitative genetics research

Graduate Research Assistant

The University of Exeter Medical School

June 2018 - October 2018

- Created command line utility to extract temperature and light data from binary output of activity monitors using C++
- Leveraged Python and it's libraries to perform data analysis on UK Biobank's genotypic and phenotypic data
- Created GitHub Organization for the team
- Self guided learning and research in to the field of complex trait genomics

Vice President

Muay Thai Society

September 2017 - August 2018

- Increased sign ups by more than 100%
- Designed and created new society logo
- Planned and coached training sessions
- Procured hand wraps embellished with logo
- Maintained a positive and safe environment for society members

Web Developer

Disigi

June 2016 - July 2017

- Setup apache web server
- Served Django application to web server
- Used D3 to create visualisations
- Implemented proprietary multi-objective optimisation algorithm
- Attended investment events on behalf of founders

Projects

BePortrayed

- Connecting consumers in search of bespoke artwork with real artists
- Formed at ExHack 2017 winning best elevator pitch and best domain
- Firmware written in Lua, accessed via a web server hosted on the ESP8266

UK House Price Visualisation

- Interactive web app showing the change in house prices across the UK from 1995 to present
- Python (pandas and numpy) for data parsing and leafletJS + CSS SVG filters for visualisation

IoT Light Switch

- Created switch using a relay, ESP8266 microcontroller & a two-way light switch

Skills

- Python (Numpy, Pandas, Matplotlib, Django)
- C/C++ (Arduino)
- Java
- Linux/Unix
- High Performance Computing
- Data Analysis
- VCS (Git)
- Object-Oriented Programming
- Agile (Scrum, Kanban)

Education

BSc Computer Science (hons) - The University of Exeter

September 2015 - July 2018

- Attained Upper Second-Class Honours
- Achieved 78% in dissertation titled "Using Ant Colony Optimisation to explore epistatic interactions associated with Type 2 Diabetes".

Hobbies & Interests

- Electronics & Embedded Development
- Muay Thai (Thai Kickboxing)
- Travelling
- Speciality Coffee
- Evolutionary Computation