Cameron Macleod

Computer Science Student

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Skills

Technologies: Python, Android, Ethereum/blockchain, Alexa, LoRa, embedded C, Rust, Elixir, .NET.

Good communication and client relations due to time working in museums and a guest house.

Experience

Cambridge Consultants / Tech Scholar

September 2015 - August 2017, Cambridge

Took part in the placement year programme. Worked on projects across areas such as embedded devices, blockchain and computer vision. I returned the following summer for two months.

University of Edinburgh / Internet of Things Engineer

May 2017, Edinburgh

Implemented a device that mapped the LoRa network using a Pycom LoPy and a GPS module.

Ironcraft Fires and Stoves Ltd. / Webmaster

Summer 2012, Shrewsbury

Improved the online presence of a small business. Increased unique monthly visitor count to their site from 300 to 1400.

Abbey Court Guest House / General Help

Shrewsbury

Undertook various duties from booking in guests and customer relations to rebuilding the public network infrastructure.

Education

University of Edinburgh / Computer Science BSc (Hons.)

2016 - 2020

Modules on programming, maths, data science and Russian (outside course).

Shrewsbury Sixth Form College / A Levels

2013 - 2015

Electronics, Maths, Spanish - A

Computing (AS) - B

Physics, Further Maths (AS) - C

Projects

Embedded and Robotics Society
Leadership, Education, Embedded

Co-founder of a society for bringing together people interested in embedded development and robotics. The role involves a wide variety of work including planning and delivering events, obtaining sponsorship and writing educational materials.

yellow.
Android, Bluetooth, Electronics, Embedded

A power glove with an Android API. yellow had an Android phone app that would connect to a glove with buttons via Bluetooth and broadcast button presses to the rest of the phone, allowing any app to use them.

abracadabra
Python, DSP, Public Speaking

Python implementation of the paper "An Industrial Strength Audio Search Algorithm" by the creators of Shazam. Gave a talk on the project at EuroPython 2016 in both English and Spanish, links are available.

Volunteering

St John Ambulance / First Aider
June 2016 - September 2016, Cambridge

Qualified FA with St John Ambulance and during my time in Cambridge was involved with their event cover.

STEMNET / STEM Ambassador
January 2016 - September 2016, UK-wide

Role included helping with events to get children into STEM careers.

Shrewsbury Museum and Art Gallery / Gallery Guide
September 2014 - July 2015, Shrewsbury

Customer facing role helping visitors to engage with and understand the exhibits.

Awards

GreatUniHack 2016
Android, Unity

Won first prize with a hack called Wimphony. The project was an Android app that mapped wi-fi networks musically in VR.

Young Rewired State Festival of Code 2014
Python, APIs, Public Speaking

Won Best in Show (public vote) with a smart coat hanger called Hook. Hook would tell you what to wear based on the weather for that day.