

ARAN LONG

Software Engineer

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BIOGRAPHY

Travelling the world and setting a track record of success at international hackathons. Experience in a range of roles from blockchain application research to legacy codebase maintenance. Comfortable with Java, Python, Javascript / Node, HTML, CSS and some experience with C / C++, OCaml, Haskell, Arduino, Android. Additionally comfortable with REST / APIs, full stack web, robotics, graphic design etc.

EDUCATION



UNIVERSITY OF BIRMINGHAM

Computer Science BSc, 2015 - 2018

First year - 81%, Second year - 69.3%



ST. BRENDAN'S SIXTH FORM

A-Levels, 2013 - 2015

A2 - A* A A, AS - A A A A

EXPERIENCE



UK GOVERNMENT

Blockchain Research Intern, Summer 2017

Using Hyperledger fabric, GoLang, Node, Docker etc. to develop adaptation of MIT's 'blockcerts', verifying academic credentials on the blockchain.



INVENTIVE COGS

Technical Consultant, Sep 2016 - Present

Developed internal maps microservice using AWS, Node, Python, PostgreSQL, OSM, ZMQ. Worked on deep learning (DQN) for speed optimisation planning.



AUTODESK

C++ Software Engineer Intern, Summer 2016

Rebuilt core XML abstract library, resulting in 100% backend UNIX compatibility. Implemented error checking into macro scripting.



UNIVERSITY OF BIRMINGHAM

Student Ambassador, Nov 2015 - Sep 2016

Led insight days on the basics of robotics to secondary and primary students. Gave talks and tours to incoming Computer Science students.

AWARDS / PROJECTS



PEDALO

HackTheNorth - Waterloo, Canada, Sep 2017

Ethereum blockchain based credential verification. Awarded "best use of blockchain", the highest value prize at the largest hackathon in Canada. Additionally received pre-seed grant from 1517fund - a Silicon Valley based fund.



BUSOFF

HackJunction - Helsinki, Finland, Nov 2016

Awarded Deezer prize for developing a virality focussed interactive game. Built motion service using Python, SocketIO, OpenCV.



NOTIFI.CLICK

HackUPC - Barcelona, Spain, Oct 2016

Awarded best use of Amazon AWS for developing a no-cost notification system. Built using a microservices architecture and Dash buttons.



GADGET SHOW

Birmingham, UK, Summer 2016

Developed, with a team of 10, a speed dating chatbot that featured on the UK TV series. Built the data entry stack, architected the project.



CISCO

Heathrow, UK, Oct 2015

Awarded first-place prize for developing 'Permission Cloud'. A Blockchain based IOT permissions system developed with Barclays.

CERTIFICATIONS



PLURALSIGHT

Blockchain Fundamentals