ARAN LONG

SOFTWARE ENGINEER

ABOUT

ARAN.SITE

HELLO@ARAN.SITE

+447933 282564

EDUCATION

BSC COMPUTER SCIENCE

UNIVERSITY OF BIRMINGHAM

2015 – 2019

Year 1 - 81%

Year 2 – 69.3%

AS & A LEVELS

ST. BRENDANS SIXTH FORM

2013 - 2015

A2 - A* A A

AS – A A

CERTIFICATIONS

Pluralsight **–** Blockchain Fundamentals

TECHNOLOGY

Competent full stack web developer: HTML, CSS, SCSS, Pug, Gulp, Node, Express etc.

Released projects in Java, Node, HTML / CSS / JS, Python, C++, Android. All available at https://aran.site/projects

Experience designing embedded hardware (Arduino).

EXPERIENCE

UK GOVERNMENT

Blockchain Research Intern, *Summer 2017*

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

INVENTIVECOGS

Technical Consultant, *Sep 2016 – Present*

Developed internal maps microservice using AWS, Node, Python, PostgreSQL, OSM, ZMQ. Reduced need for real world testing thanks to mock GPS replay system.

AUTODESK

C++ Software Engineer, *Summer 2016*

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

UNIVERSITY OF BIRMINGHAM

Student Ambassador / Robotics Outreach, *Nov 2015 – Sept 2016*

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

ACHIEVEMENTS

JUNCTION

Helsinki, Finland, *November 2016*

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

BRUMHACK

Birmingham, UK, *November 2016*

Awarded the first-place prize for 'See', a computer vision powered web application to help the blind see. Built using HTML, SCSS, JQuery, Clarifai, Microsoft Azure.

HACKUPC

Barcelona, Spain, *October 2016*

Awarded best use of Amazon AWS for developing 'notifi.click', a no cost notification system built using a microservices architecture on AWS and Amazon Dash buttons.

GADGET SHOW

Various, UK, *Summer 2016*

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

CISCO

Various, UK, *Oct 2015*

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