ARAN LONG

SOFTWARE ENGINEER

ABOUT

ARAN.SITE

HELLO@ARAN.SITE

+447933 282564

EDUCATION

BSC COMPUTER SCIENCE

UNIVERSITY OF BIRMINGHAM

2015 – 2019

GPA - 81%

AS & A LEVELS

ST. BRENDANS SIXTH FORM

2013 - 2015

A2 - A A A*

AS – A A

TECHNOLOGY

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

Comfortable with Git and the use and maintenance of Linux systems.

Personal projects using SCSS, Jade, Gulp, ZeroMQ, SocketIO, Caddy, Unity, Arduino etc.

Moderate experience in C, OCaml, Haskell.

Experience designing embedded hardware (Arduino).

EXPERIENCE

INVENTIVECOGS
Technical Consultant, *Sep 2016 – Present*

Developed internal maps microservice using Node, Python, PostgreSQL, OSM, ZMQ, EC2. Designing internal AWS microservices architecture. Reduced requirement for real world testing through development of 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 the development of a virality focussed bus stop game. Built using a microservices approach. Aran built the motion tracking microservice, using Python, Flask, SocketIO and OpenCV.

BRUMHACK
Birmingham, UK, *November 2016*

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

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.