

ARAN LONG

software developer.

SOCIAL

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SKILLS

Java, C/C++, NodeJS,
Javascript, Haskell,
OCaml, Python,
Microservices/REST,
Git, HTML, CSS3,
Robotics.

Proven teaching and
public speaking skills.

Experience in industry
leading dev teams.

Event experience
around the world.

EXPERIENCE

INVENTIVECOGS

BIRMINGHAM, UK. ONGOING.

Technical consultant. Developing architecture, platform and tooling requirements.

AUTODESK LTD.

BIRMINGHAM, UK. SUMMER 2016.

Rewrote core XML reading and parsing libraries leading to 100% backend UNIX compatibility. Part of the most profitable team in manufacturing using C++14 standards.

UNIVERSITY

BIRMINGHAM, UK. ONGOING.

Giving talks and taught sessions on robotics to schools all over the UK. Student ambassador at open, applicant and CAS training days.

EDUCATION

UNIVERSITY OF BIRMINGHAM

BIRMINGHAM, UK. 2015-2019.

Studying for a Computer Science BSc w/ industrial placement. Achieved a 1st class grade (81%) in first year. Notably achieving the highest grade in the year (100%) in both Robotics and the Language and Logic exam.

ST. BRENDAN'S SIXTH FORM

BRISTOL, UK. 2013-2015.

Achieved A* A A in A2 Maths, Physics and Computing. Achieved A A in AS Further Maths and Design and Tech. Led student robotics team to national quarter finals.

ACHIEVEMENTS

BRUMHACK

BIRMINGHAM, UK. NOV. 2016.

1st place for developing 'see', a computer vision and natural language powered platform to help the blind see.

HACKUPC

BARCELONA, ES. OCT. 2016.

Best use of Amazon AWS Prize for developing notif.click a no-cost notification platform using the Amazon Dash.

HACKMIDLANDS

BIRMINGHAM, UK. OCT. 2016.

2nd place finalists and the MajesticSEO prize for 'DanceAuth', shape slicing security.

HACKNOTTS

NOTTINGHAM, UK. NOV. 2015.

Best use of Capital One prize for 'StockMotion'. An educational stock trading game using the Leap Motion.

ASTONHACK

BIRMINGHAM, UK. OCT. 2015.

2nd place finalists, MLH and CapGemini prize for 'TwEAT'. A Twitter visualisation tool based on agar.io.

CISCO

HEATHROW, UK. OCT. 2015.

1st place champions in the Cisco University Challenge for developing PermissionCloud, a Bitcoin inspired approach to IOT security.

PROJECTS

TRAVLR

ONTARIO, CA. SEP. 2016.

Developed machine learning travel app using Node, Express, React, JS. Likely provoked early release of Google Trips.

GADGET SHOW

VARIOUS, UK. SUMMER, 2016.

Developed speed dating chatbot to feature on the UK TV series. I built the data entry stack and architected the project.

ROBOTICS

BIRMINGHAM, UK. SPRING, 2016.

Led a team of 10 developers in creating a prototype multi-robot autonomous warehouse system.

GITYLL

BATH, UK. 2016 ONGOING.

Using Github issues as a content management system, powering the blog section of my site <https://aran.site>

GEODONATION

MANCHESTER, UK. APR. 2016.

A charity analytics platform using the Pebble smartwatch, QR scanning and an IOT donation box.

AERONODE

BRISTOL, UK. SPRING, 2015.

A telemetric data logging platform for small-sized aircraft. Using a custom designed shield for the Arduino microcontroller.