

LIAM PIESLEY

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Computer Science Undergraduate

Education

Newcastle University

Sept. 2016 - 2020

Computer Science BSc Honours with Industrial Placement

I am a highly motivated student having achieved a 1st in all modules (first and second year) including Computer Architecture, Mathematics for Computer Science, Algorithm Design and Analysis, Database Technology, Computer Networks & Website Design and Construction.

I particularly enjoyed learning about CPU architectures and algorithm design, leading me to carry out further research into both areas (building a CPU simulation from the ground up in Logisim, and programming a pixel sorting app in Java).

First Year Result: 79.2%

Second Year Result: 75.8%

Expected Result: 1st

Westcliff High School for Boys

Sept. 2008 - 2015

- 3 A Levels, Computing (A), Biology (B) and Physics (C).
- 12 GCSEs, 3 A*, 6 A, 3 B (Including English, Maths, Physics, German & Computing).

Employment

Amazon

Jul 2019 - Sep 2019

Robotics Intern Software Development Engineer

Full stack software development engineer for Amazon Robotics. I produced a reporting system for warehouse robot performance. This system was rolled out worldwide and is currently in use at all Amazon fulfilment centres in North America and Europe.

I gained experience using continuous integration pipelines when I took ownership of an existing internal tool and deployed it to Amazon's live environment. This involved quickly learning how to use various internal tools involved in the deployment process. Before my internship finished I onboarded the new intern, explaining the function of internal tools and giving an overview of the team's products.

I used Java for data analysis and Python for data visualisation, building and running code remotely on AWS. I attended a 2-day team course on serverless computing at the AWS office in Holborn where we produced a mock API for an airline booking system.

Nissan Motor Company

Jun 2018 - Jun 2019

Software Engineer

Full stack developer in the Outbound Logistics department where I was a member of an agile team responsible for delivering business critical software relating to the shipping of cars throughout Europe. I was also the lead developer on a mobile application currently in use at compounds in Russia and Spain.

While working at Nissan I gained experience in effectively communicating with business users to understand their requirements, and coordinating work with our offshore teams through daily conference calls. Technologies I have used include Java, SQL, AngularJS, JavaScript, and CSS.

I also represented Nissan at Bring It On, a 2-day event showcasing employment prospects at STEM companies to students.

BBC

Feb - May 2018

Programming Teacher

Taught students to program using the BBC micro:bit as part of BBC R&D's CLIMB Initiative. After giving a series of lessons, I had the opportunity to travel to the BBC Studios in Manchester to give a presentation to some of the creators of the micro:bit and the director general of the BBC.

Experience

Secretary

Oct 2019 - Present

Newcastle Photography Society

- Member of the principle committee of the Photography Society at Newcastle University.
- Organised and assisted in running several photo walks through Newcastle.
- Ran a course on black and white film development for a term.

Tech Officer

Nov 2016 - May 2018

Newcastle Computing and Technology Society (NUCATS)

- Ran several sessions teaching Android and Arduino programming.
- Organised 2 Hackathons in partnership with Accenture and FDM.
- Helped run a 24-hour event raising over £2700 for charity.
- Developed the society website.

Volunteer Programmer

Dec 2017 - May 2018

Open Lab, Newcastle

- Worked with a local doctor to produce software for diagnosing shoulder injuries (to complete next year).
- Took part in multiple focus groups to help in the development of Open Lab projects

Ted Club

2013 - 2015

- Founded and ran a weekly lunchtime club for screening TED talks to staff and students during sixth form, providing background information on speakers and a forum for discussion.

Projects

2013 - Present

- 2048 remake - liamp.uk/2048
- Emoji Keyboard - liamp.uk/emoji
- Built a simulation of the SAP-1 CPU using Logisim as an extension to my Computer Architecture coursework.
- Various android apps for speed reading, picking colour hex values and managing finances.

Skills & Interests

Programming

Java, Python, JavaScript, SQL

Web

HTML, CSS, AngularJS

Software

Photoshop, Android Studio, Excel, Chrome Dev

Interests

Cycling, Guitar, Piano, Film Photography & Developing, Graphic Design

References available upon request