

Liam Dalgarno

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Inquisitive second year Computer Science student at The University of Bristol who is looking for a summer internship in Software Development. Familiar with a wide range of technologies, fast learner with great communication, and approaches problems in a constructive, methodical way.

Education

2017-21 **MEng. Computer Science, Second Year, University of Bristol, Bristol, BS8 1TH**

Currently working at an average of 80%, achieved 74% in the first year.

- Communication, Complexity and Number Theory - 93%
- Object Oriented Programming (Java) - 78%
- Data Structures and Algorithms - 77%

2015-17 **A-Levels, St. John Fisher Catholic College, Newcastle-Under-Lyme, ST5 2SJ**

A* in Computer Science, Mathematics, and Further Mathematics

Experience

2018-19 **FAT Inspector @ bit.ly/fatinspector, Software Product Engineering Project**

Web application for a research-oriented Python package which analyses the social implications of machine learning algorithms. Built in a team of 4 for a client partnered with the University.

- Built a full stack solution using Python 3, Flask, and React.
- Developed an interactive directed graph structure to analyse algorithms.
- Used git feature branches and Visual Studio Live Share to work effectively within a team.
- Deployed continuously to Heroku, backed by integration tests with CircleCI.
- Communicated regularly through Slack to share code, ideas and organise meetings.

2018 **SPHERE IRC, One Cathedral Square, Bristol, BS1 5TE**

- Learned about the fundamentals of both machine and deep learning.
- Used Keras to create basic neural networks such as CNNs and LSTMs.
- Worked with a post graduate researcher on deep learning architectures and techniques.

Projects

Ongoing **Personal Website @ bit.ly/liamdalgme, Personal Project**

Personal blogging and portfolio website built with GatsbyJS, React, and SASS.

Ongoing **ImgProc @ bit.ly/imgproc, Personal Project**

Application built in Python 3 and Cython which implements primitive image processing functions such as edge detection and image sharpening.

















Strengths

Teamwork: consistently work within teams when developing projects. Have attended multiple hackathons and Capture The Flag events where communication is critical.

Problem Solving: regularly practice with programming challenges such as HackerRank and Advent of Code.

Ambitious: determined to provide great solutions; always looking to improve myself and my projects where possible.

Technical Skills

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|--|---|---|---|
|  Python |  |  Java |  |
|  HTML/CSS |  |  C |  |
|  C# |  |  Haskell |  |
|  React/JS |  |  SQL |  |

References available upon request.