

ANTHONY CATTERWELL

anthony.catterwell@gmail.com

EDUCATION

The University of Edinburgh

Edinburgh, UK

BSc. (Hons), Computer Science and Mathematics, 1:1 (expected)

2016 — 2020 (expected)

Year 1

Year 2

Year 3

Year 4

84% average

82% average

79% average

ongoing

Bangkok Patana School

Bangkok, Thailand

IB Diploma (38/45)

2014 — 2016

EMPLOYMENT

Amazon.com, Inc.

Luxembourg City, Luxembourg

Software Development Intern

June — September 2019

- Implemented, tested, and deployed component of high-throughput, high-availability data-retrieval service to enable the fetching of data from additional sources in AWS.
- Designed, implemented, tested, and deployed front-end web UI and associated back-end REST service to enable self-service bulk data submission by internal customers.
- Created metrics and dashboards for measuring and monitoring performance and data quality.

PERSONAL PROJECTS

- **Compiler:** Built a compiler for a subset of C to MIPS-Assembly. *Java, MIPS*
- **Coinz App:** Designed and implemented location-based coin collection-game. *Java, Android, Firebase, Mapbox, Material-UI*
- **Tank AI:** Designed and implemented an AI for a tank in a multiplayer game. GreatUniHack 2018. *Python*
- **Battleships:** Implemented battleships game with single- and multi-player modes. *Python, TCP*
- **Login monitor:** Designed and implemented service to remotely log logins to networked university computers. *Python*
- **Micro-bit controllers:** Programmed motion-sensitive micro-bit game-controllers. Hack the Burgh 2017. Won ARM prize. *Python, Micro-bit API*

TECHNOLOGIES

Java, Python, Linux, Git, SQL, Guice, Mockito, AWS (S3), Vim, L^AT_EX

PyTorch, C++, Hadoop (MapReduce), TypeScript, AngularJS, Pandas, Scikit-Learn, REST, Firebase, Mapbox, Android, Maple, AWS (DynamoDB, Lambda)

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Hibernate, Spring, Haskell, MIPS-Assembly, LLVM, MATLAB, R, AWS (Data-Pipeline, Redshift, RDS)

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*** Extensive use in multiple major projects.

** Substantial use in at least one major project.

* Good familiarity through use in at least one smaller project or minor use in a major project.