

Anthony Catterwell

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Github: <https://www.github.com/MadCommy>

Education

University of Edinburgh

Computer Science and Mathematics BSc. (Hons) expected 1st

Year 1: 84% average (120 credits taken)

Year 2: 82% average (160 credits taken)

Edinburgh, UK

September 2016 —

Bangkok Patana School

International Baccalaureate (38/45)

Higher level: Mathematics, Physics, Chemistry

Standard level: Economics, English, Thai

Bangkok, Thailand

August 2014 — June 2016

Projects and experience

- **Compiler:** Writing compiler for a subset of C to MIPS-Assembly. *Java, MIPS*
 - **Tank AI:** Designed and build an AI for a tank in a multiplayer game. GreatUniHack 2018. *Python*
 - **Coinz App:** Writing location-based coin collection-game. *Java, Android, Material-UI, Mapbox, Firebase*
 - **Battleships:** Created battleships game with single- and multi-player modes. *Python, TCP*
 - **Street Maintenance App:** Implemented back-end of serverless pothole-reporting app. Hack-UPC 2018. *Java, AWS Lambda, NoSQL, Android*
 - **Login monitor:** Built service to remotely log logins to networked university computers. *Python*
 - **Twitter-bot detector:** Co-created program to identify bot-accounts on Twitter. Hack the Burgh 2018. *Python, Twitter API*
 - **Staff search-engine:** Created to search university staff and students given their roles. *Python*
 - **Micro-bit controllers:** Programmed motion-sensitive micro-bit game-controllers. Hack the Burgh 2017. Won ARM prize. *Python, Micro-bit API*
 - **Spellchecker:** Wrote constant-time spellchecker. *C*
 - **Programming internship:** Interned at Centara Grande Hotels' head office. Contributed to the back-end of their staff website involving user-account management. (July 2016) *C#, SQL*
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Computer skills

Java, Python

Linux and *-nix command line

AWS, Haskell, C, C#, NoSQL, XML

Git

Computer Networking

Very competent

Very competent, daily use

Good understanding

Quite competent, regular use

Good understanding

Clubs, Societies, and Extracurriculars

University of Edinburgh Computing Society member

University of Edinburgh Mathematics Society member

DipABRSM Piano Performance

2016 —

2016 —

2014