

ANDREW J. YOUNG

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EDUCATION

Imperial College London

2016-2019

Computer Science and Mathematics (BEng)

Societies: Debating, Dept. of Computing (DoCSoc), Mathematics, Finance & Investment

Queen Elizabeth's School, Barnet

2009-2016

A2: 4 A*s (highest) in Math, Further Math, Physics, and Chemistry; GCSE: 13 A*s (highest)

Interests (no particular order): Algorithms (Complexity, high-performance, high-assurance, financial), AI (Reinforcement learning, deep learning), Security & cryptography.

PROFESSIONAL EXPERIENCE

JPMorgan, qRisk

Jun 2018-Aug 2018

Software Developer

London, UK

- Programmed a complete overnight batch process for the company's new risk platform
- Developed high performance python code to interact with existing APIs and legacy code to run the batch.

Imperial College London, Opesci Group

May 2017 - Aug 2017

Research Intern

London, UK

- Made tutorials in jupyter notebooks for solving high-level ODEs.
- Worked in python to solve reaction diffusion problems using the team's package and added to the codebase.

JPMorgan Chase

Apr 2017

Spring into Technology

London, UK

- Shadowed employees from software divisions and engaged in group coding projects.

Morgan Stanley

Mar 2017

Spring Insight: Technology

London, UK

- Shadowed tech divisions and learned about the applications of technology in banks.

Hoteling

Jul 2016 - Sep 2016

Asakusa Guest House Manager

Tokyo, JP

- Managed a 4 story guest house in Tokyo, developed a program for international students to learn foreign languages, and translating between English, Japanese, and Chinese.

PROJECTS

Quest.io (Javascript) Created a web application with React Native, mongoDB, and google APIs which implemented a voting platform, chat, and a route planning algorithm for groups to plan travel routes.

Pintos (C) Built on top of a legacy code base in order to produce a fully functional concurrent OS.

PlugInBaby (Python, node.js) An IOTA (IoT cryptocurrency) application which finds charging stations and transacts for electricity automatically on the IOTA tangle. Designed in cooperation with the IOTA developers.

WACC compiler (C) Designed and built a compiler and code-generator in C for the WACC programming language into Arm11.

Arm11 compiler (C) Built a compiler into C for the Arm11 language, and made arm11 code compile on a raspberry pi with this.

ACHIEVEMENTS

2017 IOTA Hack winner Designed and built the winning design, which finds charging stations and transacts for electricity automatically on the IOTA tangle.

2016 Constructed and launched an H-class high-powered rocket in a team of 4. Apogee was reached at 1.5 km before returning to ground in a state fit for reuse.

2016 Scored in the 94th percentile in the JLPT N2 exam.

2014 President and founder of an ISSDC finalist team. Founded an independent finalist team to the International Space Settlement Design Competition. Elected company president at the national and international finals.

LANGUAGES	TECHNICAL SKILLS	
English: Native	Software Langs: Python, C,	act Native, MacOS, Linux, Git,
Japanese: Fluent (C1)	Java, Haskell, Javascript, HTML,	Windows, Vim, Emacs, IntelliJ
Chinese: Intermediate (B2)	CSS, L ^A T _E X, x86 Assembly, SQL,	IDEA, jupyter notebook
De, Es, Fr: Basic	noSQL	Typing: 135 wpm (eng), 150 cpm (jpn)
	Software Tools: MS Office, Re-	