

# ANDREW J. YOUNG

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## EDUCATION

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### 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)

## PROFESSIONAL EXPERIENCE

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### Quantitative Risk (qRisk), JPMorgan Chase

Jun 2018-Aug 2018

*Software Developer*

*London, UK*

- Developed the overnight batch process for the company's risk platform, interacting with APIs and legacy code.
- **Keywords:** Python, HPC, Protobuf, XML, JSON, Kafka, Compression, Caching

### Opesci Group, Imperial College London

May 2017 - Aug 2017

*Research Intern*

*London, UK*

- Solved complex ODEs using python; implemented these using the team's package; adding to the codebase.
- Wrote tutorials in Jupyter notebook for solving ODEs.

### 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, developed a language acquisition program for international students, and performed English-Japanese-Chinese translation.

## PROJECTS

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**Quest.io (Javascript)** Created a web application using React Native, mongoDB, and REST APIs which implemented a voting platform, chat, and a route planning algorithm for groups to plan daily 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 web app to finds charging stations and transacts automatically on the IOTA tangle. Designed in cooperation with the IOTA developers.

**WACC compiler (C)** Designed and built a fully in-house compiler and code-generator from WACC into Arm11.

**Arm11 compiler (C)** Built a compiler into C for the Arm11 language with code compiling on a raspberry pi.

## LANGUAGES

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English	Japanese	Chinese	French	Spanish	German
Native	Fluent (C1)	Intermediate (B2)	Basic (B1)	Basic (A2)	Basic (A2)

## TECHNICAL SKILLS

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**Software Langs:** C, CSS, HTML, Haskell, Java, Javascript, L<sup>A</sup>T<sub>E</sub>X, Prolog, Python, (no)SQL, Scala, Assembly

**Software Tools:** Emacs, JetBrains IDEs, Vim MS Office, Linux, MacOS, Windows, Git, Node.js, React (Native)