

ANDREW J. YOUNG

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EDUCATION

Imperial College London

2016-2020

Computer Science and Mathematics (Meng)

Member of Debating Society, Dept. of Computing Society, Mathematics Society, Imperial Snowsports, Finance & Investment Society,

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

Opesci Group, Imperial College London

May 2017 - Aug 2017

Research Intern

London, UK

- Worked with Devito, the team's python package for solving finite difference equations.
- Made tutorials in jupyter notebooks for solving high-level ODEs.
- Extended the application of Devito to solve topology optimization problems 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 storey guest house in Tokyo, developed a program for international students to learn foreign languages, and translating between English, Japanese, and Chinese.

Queen Elizabeth's School

Sep 2014 - Jun 2016

Volunteer Japanese Teacher

London, UK

- Ran weekly lessons and taught a class of students Japanese to enable them to pass the JLPT N5.
- Organized a letter exchange program with a high school in Tokyo.

BlueCrest Capital Management

Jul 2014

Work Experience

London, UK

- Worked alongside the Volatility Arbitrage Group and shadowed employees in the software division to understand how their system conducts risk analysis

ACHIEVEMENTS

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.

2015 Completed the UCL-Japan Young Challenge, participating in a cultural exchange and Japanese language programs in the UK.

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.

2014 Grade 8 Cello with distinction

LANGUAGES

English: Native

Japanese: Fluent (N2: 94th pctl)

Chinese: Intermediate

French: Basic

German: Basic

TECHNICAL SKILLS

Software Langs: Java, HTML, Python, Haskell, CSS, L^AT_EX, x86 Assembly, C, mySQL

Software Tools: MS Office, MacOS, Linux, Git, Windows, Vim, Emacs, IntelliJ IDEA, jupyter notebook, JSON

Typing: 135 wpm (eng), 150 cpm (jpn)