

# TIGER CROSS

## 3rd Year Computing Student

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## EDUCATION

Imperial College London    **Computing MEng**

📅 September 2017 - June 2021 (expected)

- Achieved 1st class honours in all years of study.
- Won second Year WebApps group project prize.
- Worked as an Undergraduate Teaching Assistant with the Department of Computing.

## WORK

Microsoft    **Program Manager**

📅 April 2020 - Present

- Worked on natural language search project, with a focus on customer education within enterprise search.
- Contributed to research on cache eviction policies with the goal of saving company resources.
- Created a multitude of technical specification documents and led product pitches for features.

Morgan Stanley    **Algorithmic Trading Intern**

📅 June 2019 - August 2019

- Developed two low-latency trading engines for Saudi Arabia and A2X exchanges in C++.
- Refactored further trading engines, maximizing code clarity, efficiency, and brevity.
- Coordinated with a global team to ensure that deadlines were met.

## PROJECTS

SimpleRGC    **Computer Vision**

📅 October 2019 - Present

- Developed an automated image analysis tool in Kotlin as a plugin for the ImageJ software.
- Collaborated with researchers from the department of clinical neurosciences, University of Cambridge.
- Contributing to ongoing work in publishing a manuscript in order to increase awareness of the plugin to the wider scientific community.

Mobilise    **Web Engineering**

📅 May 2019 - October 2019

- Developed an application for a charity - City Harvest London.
- Visited the charity on a weekly basis, using human centered design principles to tailor the application features to suit the client.
- Developed major features for the application in React and Javascript and pioneered work on law and security considerations.

Lighten Up, World    **Data Visualisation**

📅 June 2018 - January 2019

- Led a team of 4 in building a world map out of 471 LEDs and displaying real time data on the LEDs such as weather data or Twitter usage.
- Wrote a Web application in React to control the data displayed on the map.
- Created an API in C and Python for displaying and obtaining data from other APIs.

## Additional Projects

- TrueBlock - Won best blockchain project in IC Hack 19, the UK's largest student run hackathon, selected from over 70 projects submitted.
- AI & ML Research Project - Documented and presented the findings from various papers on the best way to use artificial intelligence to detect and classify brain tumours.
- Durhack 2019 Winner- NLP Project using google home.

## PROGRAMMING LANGUAGES

Proficient in:

- Kotlin, Python, Java, C++, C, Javascript

Competent in:

- C#, Haskell, SQL

Additional Skills:

- Version Control (Git), DevOps (AWS, Azure)

## EXTRA-CURRICULAR ACTIVITIES

- Helped to raise £100,000 as Sponsors' Liaison for Imperial Department of Computing Society.
- Member of Machine Learning Society and attend regular events.
- Member of Finance Society and attend finance talks.
- Basketball and Ice Hockey.