

MICHAEL CLASBY

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EDUCATION

Imperial College London - MEng Mathematics and Computer Science 2019 – 2023

- First Year Overall **76.31%** | Programming Average **84.3%**
- Active member of Investment Society

Havant & South Downs College – [180 UCAS Points] 2017 – 2019

- A-Level Mathematics, Further Mathematics, Computer Science, Physics
- AEA Mathematics | **A* A* A* A* + Merit**

Park Community School - GCSEs 5A*, 7A, 1B 2012 – 2017

PROJECTS & WORK EXPERIENCE

C Final Group Project – Arm11 Assembler/Emulator + Editor/Debugger June 2020

- Collaborated with a team of 4 to create an assembler and emulator for an instruction subset of an Arm11 processor in C and then present our work to the class
- Extended the project with a text editor and debugger to create a full assembly development suite. (**A* Grade – Award Nominee**)
- Rigorously tested our implementation and profiled it to optimized efficiency of execution

ICHACK2020 – Natural Deduction Scanner and Verification App Feb 2020

- Worked in a team of 5 to produce an Android app (in 24 hours) which can scan a natural deduction stylized proof using our own machine learning model and verify its correctness
- Made the app into a learning game with tutorial levels and error identification
- Responsible for creating the app front-end following the material theme in Android Studio and integrating all the backend components (scanning, OCR, verification) together in Kotlin

A-Level Coursework Project – Dog Grooming Shop Data System 2018 – 2019

- Independently designed and built a booking system with sales record and calculation tools for a real client. Used a multi-relational database and queried it to generate complex reports
- Produced a comprehensive written report showing the iterative process

Park Community Enterprises - Print Shop Assistant / Community Assistant 2016 – 2020

- Led and trained 4 student staff to achieve digital printing, cutting and finishing of orders.
- Managed a large dataset for summer programs (Connect4Summer)
- Running events in a collaboration of teams to a high standard and tight timeframe

SKILLS

- Proficient in **Java, Python, C**
- Competent in **Haskell, JavaScript**
- Great understanding of **Git version control**
- Experience using/writing **Makefiles**
- Comfortable with **Linux** operating system
- Building knowledge of **web development**

EXTRA-CURRICULAR

- Competitive Programing (Google Kickstart, GSA Ultra 2020 – Top 15%)
- 1 of 80 Facebook UK & Ireland Hack 2020 participants
- JP Morgan Chase Virtual Experience Program Participant 2020 (Forage)