

Education

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

- First Year Overall **76.31%** | Programming Average **84.3%**

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 and to present our work
- Extended the project with a text editor and debugger to create a full assembly development suite. (**A* Grade – Award Nominee**)

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 UI following the material theme in Android Studio and for bringing all the components (scanning, OCR, verification) together in Kotlin

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

- VB.net Booking System, multi-relational database, queries for complex report generation
- Produced a comprehensive written report following the iterative process

Park Community Enterprises - *Print Shop Assistant* (2017 – 2020)

- Lead and trained student staff to achieve digital printing, cutting and finishing of orders.

Park Community School - *Community Assistant* (2016 – 2019)

- Managing a large dataset for summer programs (Connect4Summer)
- Running events in a collaboration of teams

Skills

Confident using **Java, Python, C, Haskell**
Experience using Kotlin, JavaScript
Proficient with **git version control** systems
Comfortable with **Linux** operating system
Building knowledge of web development

Extra-Curricular

Competitive Programing (Google Kickstart, GSA Ultra 2020 – Top 15%)
Facebook UK & Ireland Hack 2020 Participant
JP Morgan Chase Virtual Experience Program Participant 2020 (InsideSherpa)

References are available upon request.