

ALEX CONSTANTIN-GÓMEZ

Second year Computer Science student based in London, UK
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EDUCATION

Imperial College London

2019 –

MEng Computing

1st class overall grade in first year, including programming (Java, C and Haskell).

Second year modules include Operating Systems, Compilers, Algorithm Analysis, Networks...

Kensington Aldridge Academy

2016 – 2018

Sixth Form

5 A*s at A Level in Maths, Further Maths, Computer Science, Physics and Spanish.

PROJECTS

ARM Emulator, Assembler and Debugger

Built a program that emulates the execution of an ARM11 binary executable and an assembler to convert ARM11 assembly code into a binary file which can be run on the emulator. Extended the project with a debugger with line stepping and breakpoints. Built completely in C.

Mediochat: Online video appointments

Built a web-based platform that allows doctors and health consultants to schedule online video appointments with their patients. The backend is built with NodeJS and Firebase, and the video call functionality is implemented using WebRTC and web sockets.

Restaurant Ordering Web App

Built a complete ordering system for a restaurant, which included a web app for customers and a desktop GUI application for the kitchen staff. Communication between both apps is via a REST API. Built using Python (Flask) and C# (.NET framework)

Full details of each project and demos at thealexcons.github.io

SKILLS

Programming Languages - Go, Java, Python, C and JavaScript.

Technologies and Tools - Comfortable with Git and Linux/Unix; familiar with AWS and similar cloud services.

WORK EXPERIENCE

Maths Assistant Teacher

September – December 2018

Kensington Aldridge Academy

- Taught and managed small groups of A Level students who required extra support.
- Helped GCSE and A Level students in class with their questions.

OTHER

- Participated in IC Hack 20 (UK's biggest student-run hackathon) and regularly takes part in workshops
- Native Spanish speaker
- Currently learning Arabic independently
- Occasionally teaches maths as a private tutor

References are available on request