Ali Colver

Student at Imperial College London

CURRICULUM VITAE

Profile:

I am currently a student at Imperial College London, studying a joint honours degree in Maths and Computer Science. I am extremely keen to learn, and I am very excited to gain experience and new skills. Through taking two subjects at university I have been exposed to a vast range of courses and have learned a great deal about maths, computing and how these two subjects interact.

CONTACT ME

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SOCIAL LINKS

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Ali Colver

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AliColver

CORE SKILLS

Java · Kotlin · C · Go · Python · Haskell · Git · HTML5 · CSS3 · Javascript/TypeScript · C++ · JQuery · Prolog · Operating Systems · Compilers · React · SQL · Linux/Bash

ACADEMIC RECORD

Musselburgh Grammar School
2011-2017

Higher – August 2016

Computing Science	A
Mathematics	A
Physics	A
Chemistry	A
English	A
Music	A

Advanced Higher – August 2017

Mathematics	A
Mechanics	A
Computing Science	A
Physics	A

Projects and Coursework at Imperial College
Pintos (C, ARM Assembly) (1st)
Added priority scheduling, advanced scheduling and support for user programs to the pintos operating system.
Compiler for the WACC Language (Java) (1st)
A comprehensive compiler for the WACC language and achieved a perfect score of 100 on the back-end code generation half of the project.
WebApp (ReactJS, Java) (1st)
A web app that allowed users to monitor their environmental impact. Included barcode scanning and travel time API usage. Available at https://webapp-recover-app.herokuapp.com.

WORK & EXPERIENCE

Software Developer (Intern)
Scott Logic
Through working at Scott Logic in the summer of 2019, I have learned valuable lessons about how to best apply my skills in industry. The internship also let me put my knowledge of agile and scrum methodologies into use, as well as teaching me about the way software companies and teams work, with daily stand-ups, client meetings, and demonstrations.

Teaching
Musselburgh Grammar School
I taught a first-year computing class throughout my final year at school, teaching things such as web development and basic programming in scratch.

AWARDS & ACHIEVEMENTS

Musselburgh Grammar School Dux Medallist & Deputy Head Boy

Award for Advanced Higher Computing Science and Physics · Award for Higher Mathematics, Computing Science and Physics · Laura Womersley Memorial Prize for Creative Writing · Best in School performance in UKMT Challenge · Saltire Award for Volunteering · 1930s Club Memorial Prize for Service to the School

REFERENCES AVAILABLE ON REQUEST

Imperial College London
2017-2020

Mathematics and Computer Science (BEng)
Expected 2:1

Key Results

Programming	1st
Algorithms	1st
Software Design	1st
Operating Systems	2:1
Compilers	2:1

Other courses (2:2 – 1st)
Maths Methods, Logic, Reasoning About Programs, Foundations of Analysis, Math Methods II for JMC, Statistics, Algorithms II, Non-Linear Waves, Numerical Analysis, Multivariable Calculus, Algebra, Analysis