

# Jack Morrison

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## EDUCATION

### Imperial College London

MEng Computing

2017 – 2021

- Third Year Student
- 1st & 2nd Year Grades: First (76.68% average)

### Westcliff High School for Boys

Sixth Form

2015 – 2017

- A Levels (Mathematics, Further Maths, Computing, Physics): 4 A\*
- EPQ (Computer-Assisted Proofs): A

## TECHNICAL EXPERIENCE

### Proficient Languages:

Java, Swift, HTML, CSS, C, PHP, JavaScript

### Familiar Languages:

Haskell, Python, C++, Kotlin

### Tools:

Git, Vim, SQL, MongoDB, JUnit, JMock, LaTeX, Docker

## SKILLS

### German Language Proficiency

I have achieved B1+ standard of the Common European Framework of Reference.

### Web Design

I have created websites for companies, increasing my familiarity with HTML, CSS, JavaScript and PHP.

REFERENCES CAN BE SUPPLIED  
UPON REQUEST

## PROFESSIONAL EXPERIENCE

### Nextjump

Software Engineering Intern

June 2019 – September 2019

- Worked on the online platform PerksAtWork using PHP, JavaScript and Go
- Managed & worked on many projects which were deployed to millions of users
- Used the scrum agile methodology, working in 3-week sprints
- Ran the UK Office's 'Adopt-a-School' scheme, teaching robotics, teamwork and public speaking to underprivileged children

### MyTutor

Maths and Computing Tutor

June 2018 – June 2019

- Tutored A-Level students online for mathematics and computing

### Facebook

Hack-a-Project

October 2018 – November 2018

- Participated in an programme at Facebook with the goal of creating an application to “Bring Communities Together”
- Created MentorMe, a mentoring app made in JavaScript using React and Node.js
- Worked in short 1-week sprints with students from other universities

## PROJECTS

### Canvas

October 2019 – January 2020

- Created a collaborative drawing whiteboard application for iOS
- Researched Conflict-free Replicated Data Types (CRDTs)
- Used a mesh network topologies to allow for decentralisation

### Burst My Bubble

May 2019 – June 2019

- Created a webapp using React, Python, Java, MongoDB and Microsoft Azure
- Tackled the problem of confirmation bias in the current consumption of the news

### WACC

January 2019 – March 2019

- Created a compiler for our own programming language, written in Kotlin
- Worked in a group of 4 students, using DevOps technologies such as Docker

### Deep Learning in Medical Imaging Analysis

January 2018 – March 2018

- Researched the uses of AI in Medical Imaging Analysis, e.g. Image Segmentation
- Created a website to discuss the findings and practice web development skills

Further info and other projects can be found on the Projects Page of my website