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Imperial College London Computing Undergraduate

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Education

- 2014-2018 **Imperial College London**, London, United Kingdom
Computing MEng
Year 1 - 67 %
Year 2 - 67 %
- 2012-2014 **Chelsea Academy**, London, United Kingdom
A Levels:
Mathematics - A*, Further Mathematics - A, Physics - A, Economics (AS only) - B
- 2007-2012 **Battersea Park School**, London, United Kingdom
AS:
Portuguese - A
GCSEs:
11 A*'s, Latin - A

Work Experience

Current | Alliants

- July 2016 — September 2016 | **Software Developer Intern**
I am working on the Hub, an internal tool designed to store global information for Alliants; its being built using Ruby on Rails.

Previous | Self-Employed

- October 2014 — June 2016 | **Private Tutor**
I have taught GCSE maths throughout my own academic year at university, with a pupil that achieved an A. I have also taught Maths, Verbal and Non-verbal reasoning to a younger pupil.

Skills

- Computing** | **Programming** - Ruby, Java, C, Haskell, Python
Web Development - Ruby on Rails, Bootstrap, HTML & CSS
Data structures, Test Driven Development
- Languages** | Portuguese - Native proficiency
English - Bilingual proficiency
Spanish - Professional working proficiency
Russian - Level 1, Elementary proficiency

Projects

Summit	Summit is a web application platform designed using Agile methods to help anyone learn how to trade using real time data from live stocks, without placing real capital at risk. This was a 4 person project, developed in partnership with Flextrade. I largely worked on the frontend which employed an extensive use of Javascript, React.js and Bootstrap.
Ruby Web Scraping	A personal ongoing project where I scan and download pictures from the popular website Reddit using a Ruby script. This project is available at: https://github.com/AbraaoMota/wallpaper_scans
Peas in a Pod	Designed and implemented a business website. Made use of Bootstrap, as well as HTML and CSS. This project is live at peasinapodcare.com
WACC Compiler	As part of a group of 4, I have designed and implemented a compiler that supported multiple-inheritance from a simple-while language (WACC) to ARM11 instructions.

Extracurricular & other Activites

January 2016	MyoGaming at ICHACK 2016 Hackathon In a group of 4, we modified a top-down Unity tutorial game into an FPS that made use of the Myo gesture control armband and its API to move around and shoot in-game, with VR support. This 24-hour hackathon culminated in an android app where the user could wear a VR headset and shoot at enemies using the Myo armband connected via bluetooth to the user's phone.
2013 — 2014	Angry Gecko Project Manager I managed the building an electric car to race at a national level. I was heavily involved in the marketing of the project and raised 700 of sponsorships. We finished 32nd out of 40 without a breakdown which was an achievement for a first year project of the type.
Ongoing	Sports: Weekly Tennis, Football, Table Tennis Photography: As part of a university project in a group of 10, I co-directed and filmed a video that won the award for 'Best Team Skills video' from a selection of the year"