

Hugo Mayo

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PERSONAL PROFILE

I am a highly motivated individual who can make quick and effective decisions under pressure and will always aim to find unique solutions to problems, whether it is as part of a specific team or independent tasks.

EDUCATION

Imperial College London

Computing (BEng)

South Kensington, SW7 1BJ

2017-2020

- **Significant Modules:** Programming in Java, Haskell and C, Databases, Architecture, Hardware

Westcliff High School for Boys

Essex, SS0 0BP

- **A Levels:** Further Maths – A*, Maths – A*, Computing – A, Physics – A
- **GCSE's:** 11 A*s and 1 A

WORK AND INDUSTRY EXPERIENCE

JPMorgan – Introduction to Data Science and Machine Learning in Python

Participant

JP Morgan, Canary Wharf

December 2017

- A 1-day workshop specialising in teaching techniques in DS and ML and implementing them in Python, including a competition requiring the use of feature engineering techniques and decision trees to build a model that can predict whether a Kickstarter will be successful or not.
 - Involves working as a team, creative thinking and taking a modular approach to implement techniques seen throughout the workshop to build an accurate model that could be utilised in industry.

G-Research Coding Challenge

Participant

Imperial College

October 2017

- Creating methods in Java to perform sentiment analysis on a wide variety of tweets.
 - Incurs critical thinking and analysis to design efficient algorithms that can identify consumers' attitudes towards various organisations.

Netcraft Credit Security Event

Participant

Imperial College

October 2017

- Analysing a website's security to find flaws which can be exploited to access sensitive information.
 - Emphasises the need for proper security online and the methods that companies use to ensure this.

GCSE Computing Mentor Program

Mentor

Westcliff, Essex

Oct 2015 – March 2016

- Providing 1 to 1 help with Java and understanding of the principles of computational thinking and computer systems.
 - Entails leadership and interpersonal skills to ensure the sessions are greatly beneficial for the mentee.

Mount Avenue Banqueting Suite

Silver Service Waiter and Bar staff - Employed

Hutton

Aug 2015 – Dec 2016

- Serving customers food and drink at large functions in a silver service manner with a team of waiters.
 - Encourages communication with co-workers and customers, to provide a seamless dining experience.

SKILLS, PROJECTS AND INTERESTS

Proficient Languages: Java, PHP, SQL, HTML, JS, CSS

Projects

- **Java:** Simultaneous Equation Solver using Matrices, Tangent Line Calculator
- **PHP:** A web application called foodmatching.co.uk that allows a user to input ingredients and suggests which ones go well together along with a recommended way of cooking them using information from a relational database.

Certifications and Training: A in Extended Project Qualification on Augmented Reality, involving an independent research task, dissertation and presentation, utilising skills in research, analysis and public speaking. LAMDA Grade 8 Musical Theatre and Grade 6 acting with distinctions. Associated Board Grade 6 Piano and Singing.

Activities/Interests: Member of the Department of Computing Society and the Imperial College Data Science Society. Baking Society member and regularly enjoy cooking. Keen interest in acting, having performed as *Oliver Warbucks* in *Annie* and *Carl* in *Ghost*.

References

References available on request.