

William Ho

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Education

2019 – 2023 MEng Aeronautical Engineering, Imperial College London

- **Achieved high Upper Second Class, 2:1**
- Final year project on data-driven estimation and control of highly non-linear chaotic flow using MATLAB
- Project on parallel computing to simulate the 2D Shallow water equation on C++ using **OpenMP** and **BLAS**
- Project on simulating the double pendulum problem using object-oriented programming on C++
- Conducted a comprehensive analysis of the Android app market by comparing over ten thousand apps in Google Play across different categories, performing data cleaning, exploring app categories, and conducting sentiment analysis of user reviews to devise strategies for growth and retention in the mobile app industry using Python

Relevant Modules: Artificial Intelligence, High-Performance Computing, Mathematics

2012 – 2019 Bishopshalt School

- A Levels: Mathematics (A*), Chemistry (A), Physics (A), Further Mathematics (A)
- GCSEs: 11 A* - B

Work Experience

April 2022 – Barclays Spring Discovery Programme

- One of very few applicants invited to the spring week at Barclays for the finance division
- Learnt about different social styles and how to best work with people of different attributes

Additional Skills and Achievements

- **Certificates & Achievements:**
 - Machine Learning by Stanford University on Coursera
 - Mathematics for Machine Learning by Imperial College London
 - Citi ICG Technology Software Development Job Simulation on Forage - September 2023
 - Completed a job simulation involving hypothetical tasks to improve Citi's loan management system and stock market risk reporting
 - Created a state diagram of the loan management process using the Unified Modeling Language (UML)
 - Researched potential machine learning systems to assess credit risk and provided recommendations for next steps
 - Used Java to build an internal tool visualizing stock market risk in real time
- **Technical Skills:**
 - **MATLAB**
 - **Python** (including Numpy, Pandas, Matplotlib, Seaborn, Tensorflow, Scikit-Learn)
 - **C++**
 - **Web Development technology (HTML, CSS, JavaScript, Bootstrap, node.js, jQuery, React)**
 - **SQL**
 - Git/ GitHub
- **Competitive sports:** Captain of Imperial College Dodgeball Men's Team