

Adam Calleja

📞 07384 981134
✉ adampaulcalleja@gmail.com
🌐 <https://github.com/Adam-Calleja>
🌐 <https://www.linkedin.com/in/adam-calleja>

Programming Languages Python | Java | MATLAB | R

Education

University of Manchester/ BSc Computer Science and Mathematics
September 2022 - July 2026

GPA - 66% (Upper Second Class Honours)
First Year Team Project - 81% (First Class Honours)
Data Science - Awaiting Grade (100% Coursework)
Introduction to Programming 1 & 2 - 68% (Upper Second Class Honours)

Project

EatYourWay / First Year Team Project
September 2022 - April 2023

- Developed a website which accesses a public API to provide nutritional and environmental information on the products available in stores.
- Designed the layout and graphics of the website using Figma.
- Planned and executed team meetings as the chair, ensuring that every team member had an equal opportunity to share ideas.
- Sent detailed meeting agendas to other team members while acting as chair.
- Facilitated other team members with tasks when the workload was too high.

Hills Road Sixth Form College
September 2020 - July 2022

Further Mathematics (A*), Mathematics (A*), Physics (A*), Extended Project Qualification (A*), Chemistry (B)

Project

Machine Learning using Python / Extended Project Qualification
September 2020 - September 2021

- Predicted housing prices using the data from Kaggle's 'Housing Prices Competition'.
- Compared my own implementation of linear regression using Python with the scikit-learn implementation to predict housing prices, achieving 90% accuracy for both.
- Enhanced Python skills by working through Project Euler and Google's Python Class.
- Employed a Gantt chart to manage project milestones and deadlines during a year long comprehensive machine learning project.

Chesterton Community College
September 2015 - July 2020

12 GCSEs grades 9-7, Maths (9), Computer Science (9)

Experience	Cambridge Open Zettascale Lab / Data Science Intern
	<i>June 2023 - August 2023</i> <ul style="list-style-type: none">• Calculated the carbon footprint of over 1000 users' jobs running on the CSD3 supercomputer and quantified the energy wasted by idle nodes by developing a Python framework, implementing both the pandas and joblib libraries.• Obtained both cluster partition data and job accounting data using the SLURM job scheduling and resource management system on a Linux-based computing cluster.• Collaborated with team members by committing code changes to a GitLab repository, ensuring clear and informative commit messages.• Led a 9 week group project by creating a timeline, delegating tasks and assisting with the debugging of code.• Documented the project across 5 Jupyter Notebooks, visualizing data with both the Matplotlib and Plotly libraries to provide evidence for the assumptions made.• Delivered a 10 minute internal presentation communicating the methods employed during the internship and discussing the outcomes achieved.• Wrote a 7 page technical report documenting the summer internship project.
	Arm / Virtual Experience Week <i>July 2021 - August 2021</i> <ul style="list-style-type: none">• Expanded knowledge and awareness of the importance of machine learning and its uses by attending a thought-provoking software tech talk.• Collaborated within a team environment during a mini-hackathon, contributing to the successful completion of a project while honing interpersonal skills.• Observed Arm's work culture, gaining valuable insights into its values, business challenges and professional norms.
<hr/> Awards	Stanford University / Machine Learning Course <i>September 2020 - August 2021</i> <ul style="list-style-type: none">• Acquired practical skills in machine learning through hands-on assignments, programming exercises, and real-world applications covered in the course.• Established a strong foundation in key machine learning topics, including supervised and unsupervised learning, and neural networks.• Applied the machine learning principles taught in the course to my Extended Project Qualification where I predicted housing prices achieving an accuracy of 90%. Hills Road Sixth Form College / RoboCon Competition <i>September 2018 - April 2019</i> <ul style="list-style-type: none">• Achieved 2nd place out of 12 in a 6 month long Robotics competition.• Led a team of 4, distributing work assignments and fostering a collaborative environment.• Programmed the robot using Python and employed multithreading techniques to optimise the robot's performance.
<hr/> Interests	I find joy in pushing my physical limits and staying active through regular runs and maintaining a dedicated gym routine. Not only does this help foster discipline and mental resilience, but it also helps me to maintain a healthy lifestyle.