

Caleb Mohamed

Education

University of Oxford Oct 2024 - Aug 2028
Master Of Computer Science, MCompSci
Preliminary Examinations: Distinction (First)

BHASVIC (Brighton Hove and Sussex Sixth Form College) Sep 2022 - Aug 2024
Computer Science, Maths, Further Maths, Physics
Grades: A* A* A* A*

Warden Park Secondary Academy Sep 2017 - Aug 2022
x10 GCSEs including English and Maths

Practical Experience

Computer Science Labs Oct 2025 - Present
problems complementing our study

- linear regression, NBC, and ConvNets in python
- compiler design to parse simple languages
- functional, imperative and OOP techniques to solve toy problems

Self-Hosted Personal Website Jul 2025 - Present
hand-crafted site running on my pi

- systems management and containerisation with docker
- web development and design with vite
- content management and templating with hugo

OpenGL Renderer And Shader Art Aug 2025 - Nov 2025
the basics of graphics programming

- C++ multi-file project
- simple Blinn Phon lighting
- experiments with shader art

Action Platformer In Godot Nov 2024 - Mar 2025
full development cycle with stakeholders

- A level project with full writeup
- detailed planning and scope management
- platformer physics and state machine

Teamwork Various
life is richer with others

- planning and managing group design project
- leading a society and organising weekly events
- operating audio-visuals for three musical productions

Contact

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Skills

- **Team player** - I organise and lead coursework meetings, enabling others to work to their strengths
- **Driven learner** - I dedicate 10h beyond the requirement every week to master my most difficult subjects, like λ -calculus and complexity theory
- **Careful communicator** - I value clear communication; I initiate discussion among my peers on problems we might share
- **Avid tinkerer** - I continuously expand my skillset. My curiosity has led me to learning C, Scala, Haskell, HTML, CSS and JS most recently

Hobbies

- **Guitar lover** - certified noodler, and teaching myself some jazz
- **Tea enjoyer** - gongfu brewing to share the love of tea with others
- **Daily poet** - writing a poem almost every day for over 3 years
- **Amateur photographer** - love a photo walk in the fields
- **Aspiring webmaster** - slowly building my corner of the web