
Profile

I'm in Year 12 and want to study physics at university. I've been programming since I was seven, mostly in Python and for the web, and I volunteer as a developer for charities, community groups and a research team.

Education

Dulwich College, Year 12

September 2026 to present

A levels: Physics, Further Mathematics and German.

Draft: Tom to write

Predicted grades, once you have them.

GCSEs

Summer 2026

Grade 9 in Biology, Chemistry, Design and Technology, English Language, French, Geography, German, Mathematics and Physics; grade 8 in English Literature. Additional Mathematics: B (top grade A).

Programming and volunteer development

Namesake, volunteer contributor

July 2026 to present

Open-source non-profit publishing free name-change guides and tools for trans people in the US.

- Five pull requests merged in July 2026: fixed the homepage's interactive support map (D3), fixed image loading in local development, rewrote the directory's website-address formatting with tests, added seven organisations to the support directory, and made the developer git hooks install automatically.
- Proposed and specified a "download a blank form packet" feature (issue #722), which the maintainer built in September 2026.
- Now doing non-code research for the project.

TB vaccine modelling team, LSHTM, volunteer adviser

September 2026 to present

Weekly calls advising the team on bringing AI into how they build their model's backend: AI practice, GitHub practice and prompting.

thomaswhite.me

2025 to present

HTML, CSS and JavaScript. Playwright end-to-end, visual regression and accessibility tests in three browsers, Lighthouse budgets, linting, GitHub Actions CI and a public status page with uptime monitoring.

Friends of St John's Garden website

August 2025

Website for an Islington council group that looks after a small green space in Farringdon.

TechAssist

2024 to 2025

Written and video guides for everyday computer tasks, plus a one-click encrypted backup app, built for my grandparents.

leopardbookshop YouTube channel

2020 to 2023

Roblox Studio and Lua tutorials, later some Python. Just over 400 subscribers and 108,000 views.

Physics and speaking

TEDxDulwich Youth, student organiser

Event on 28 February 2027

One of three student organisers. I run the applicant information site, posters, application forms, advertising and all the technical work, and coordinate the drama department, marketing, a sister school and staff.

TEDxDulwich Youth speaker, "Bridging the Gap"

28 February 2026

A twelve-minute talk on why General Relativity and Quantum Mechanics disagree, and the ideas trying to bridge them.

Magnetic Newton's cradle investigation

Year 11 (2025 to 2026)

In-school IYPT project in a team of three. We built our own magnetic cradle, filmed it in slow motion and used motion tracking to turn the footage into data across six parameters.

Other volunteering

Islington Council Parks events

2016 to present

Catalogued entries at the Grow Show, made apple juice at Apple Day and welcomed visitors at the Spring Festival in Gillespie Park. Apple Day every autumn since 2016, the Spring Festival every spring since 2024, and the Grow Show in 2025.

Mind charity shop

August 2025 to January 2026

Served at the till, sorted donations and helped other volunteers. Two hours every weekend for six months.

Skills

- Python (strongest), JavaScript, HTML, CSS, Lua, some C++
- Git and GitHub, GitHub Actions, Playwright testing

Music, drama and sport

- LAMDA since Year 5: Grades 1 to 6, including the Grade 6 Bronze Medal, with five distinctions and one merit
- Drums and piano since primary school; school band; now learning electric guitar
- Running (parkrun PB 21:21), Spartan races, Brighton Triathlon