Thomas Chung

tommo.page

tommo@chung.scot

m.me/tc.tommo

07483 215270

Software engineer with 3 years experience across ML, web, and UI/UX, including freelance and internship work for startups completed concurrently with a Masters degree.

📐 Experience

💜 Support Buddy

Extension Developer (Current)

> Built and shipped a Chrome extension for moderating X/Twitter abuse targeting women and girls.
> Implemented on‑device models for real‑time intervention.

TypeScript :: Chrome Extension API :: ML

⚽ PlayerData

Firmware Engineering Intern

> Developed embedded system emulation test tools.
> Assembled the product charging hubs.
> Reduced driver testing time and hardware wastage.
> Sped up the charger assembly by 20-30x.

C :: ARM Cortex‑M :: Zephyr RTOS :: QEMU

📅 QuickWord

Frontend Engineer

> Designed core UI for a unique scheduling workflow based on a custom NLP model.
> Reworked the UI from a basic demo to shipped beta in 2 months.

React :: Next.js :: Tailwind :: TypeScript

♣ Applied Cloud Programming

Academic Course (*INFR11245*)

> Programmed, containerized, and deployed HTTP REST microservices on cloud providers.
> Built CI/CD pipelines for automated integration, testing, and deployment.

Docker :: Kubernetes :: CI/CD :: REST

🖋 Inkwell PR

Full‑Stack Developer

> Polished and deployed the MVP.
> Integrated authentication and payments APIs
> Responsible for the full stack and LLM prompt chaining.

React :: Node.js :: Firebase :: Stripe

📐 University Projects

▥ Masters Project

Editing music with pitch‑space spectrograms

> Audio reconstruction pipeline from spectrogram, with octave scaling.
> First spectral editing process demonstrated outwith proprietary software (e.g. Adobe Audition).
> Experience building mathemetically complex PyTorch pipelines.

Python ∷ PyTorch ∷ Signal Processing

➕ Binary Abacus

Interactive learning tool for school children

> Interactive tool for teaching binary arithmetic and encoding.
> Used in classrooms across Scotland.

React ∷ TypeScript ∷ Accessible Design ∷ Github Actions

🎓 Education

University of Edinburgh

Master of Informatics (2019–2025)

> Master's project: 78% Distinction
> Overall: Merit (Master's), 2:1 (Hons)

Arbroath High School

Proxime Accessit 2018

> Scottish Baccalaureate in STEM (Angus Dux)
> Highers AAAAA

💼 Employment

Company	Role	Start	Duration
Heriot-Watt University	Extension Developer	Sep 2025	Ongoing
Edinburgh Leisure	Gymnastics Coach	Jun 2025	6 months
Inkwell PR	Full Stack Developer	Dec 2023	9 months
PlayerData	Firmware Engineering Intern	Jun 2023	3 months
Edinburgh University Gymnastics	Strength Coach	May 2023	Ongoing

💡 Skills

Languages: Python, TypeScript, C
ML: PyTorch, TensorFlow, NLP, LLM fine‑tuning, model evaluation
Web: React, Node.js, HTML, CSS, Tailwind
Other: Signal processing, embedded systems, UI/UX, accessible design