



Thomas Chung



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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

📋 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

▮ 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

⌚ 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

☁️ 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

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 mathematically 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