Thomas Chung

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👤 Profile

Software engineer with 6+ years' experience across ML, web, and signal processing. foundation in full stack development, systems engineering, and user-facing software.

📐 Experience

🌐 Support Buddy

Extension Developer

> › Built and shipped a Chrome extension for moderating X/Twitter abuse targeting women and girls.
> › Implemented on-device ML to apply real-time intervention.

TypeScript :: Chrome Extension API :: ML

📅 QuickWord

Frontend Engineer

> › Frontend engineer in a 4-person team.
> › Designed core UI components and scheduling workflow UX.
> › Shipped beta product.

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

📝 Inkwell PR

Full-Stack Developer

- › Built and launched subscription MVP.
- › Integrated authentication and payments APIs.

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

⚽ PlayerData

Firmware Engineering Intern

- › Developed embedded test and system emulation tools.
- › Assembled the product charging hubs.
- › Reduced in-hardware testing time.
- › Reduced unit assembly time by 95% through process improvements.

C :: ARM Cortex-M :: Zephyr :: QEMU

📐 University Projects

🧮 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

🎹 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).

Python :: PyTorch :: Signal Processing

🎓 Education

University of Edinburgh

Master of Informatics (2019–2025)

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

💼 Employment

Company	Role	Start	Duration
Heriot-Watt University	Extension Developer	Sep 2025	6 months
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
Other: Signal processing, embedded systems, UI/UX, accessible design

📧 References

Available on request.