Dylan Porter

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https://tdporter.dev/

WORK EXPERIENCE

Full Stack Developer   **Jul 2024 – Present**
Collective Global, Hong Kong   *Contract*
- Created scalable backend systems on Amazon Web Services and connected servers with LLMs, RAG systems, vector databases, and SQL databases using n8n with Python and JavaScript
- Produced interactable frontend experiences using React, Tailwind, and Vite in TypeScript for websites and web applications, and Firebase integration for authentication and third-party services
- Collaborated with clients and project leads to ensure timely and high-quality results in accordance with agreed proposals for minimum viable products across industries

Coding Instructor   **May 2025 – Present**
BSD Education, Hong Kong   *Part-time*
- Guided young students through an online programming curriculum in extracurricular classes and summer camps, promoting independent learning in HTML, CSS, and JavaScript
- Partnered with fellow instructors to deliver engaging course material by effectively managing the classroom by coordinating learning activities

Intern   **Sep 2023 – Mar 2024**
BSD Education, Hong Kong   *Internship*
- Developed an AI chatbot service using a local LLM hosted on an AWS server using llama.cpp in C++, interactable through API requests managed by a Python script onto a Gradio interface
- Established the new digital service onto a custom-hosted website using HTML and CSS, with an outreach of over 150,000 students across 26 countries

RECENT PROJECTS

SourcingGPT   **Apr 2025 – Present**
https://app.sourcinggpt.ai/   *Completed MVP development*
- Completed development of an agentic RAG AI chatbot system tailored to a custom vector database with real-time information, integrated with an automated email interaction system

VETsage   **Jun 2025 – Present**
https://app.vetsage.ai/   *Ongoing MVP development*
- Produced a generative AI system capable of generating a professional summary report of uploaded medical documents in a dynamic user interface, including references to the submitted documents

ARFixit   **Dec 2024 – Feb 2025**
https://arfixit.co/   *Completed MVP development*
- Released an Android app in Unity using augmented reality to recognise microwave appliances in a 3D environment, before overlaying interactive instructions for a handheld user experience

SKILLS

Languages & Frameworks: Python, C++, JavaScript, TypeScript, React, Tailwind CSS, Unity
Tools & Technologies: AWS, n8n, LLMs, RAG, Linux/Unix, PostgreSQL, Firebase, Docker, WordPress

EDUCATION

University of Hong Kong, Faculty of Engineering   **Sep 2024 – Due Jun 2028**
Bachelor of Engineering in Computer Science – BEng(CompSc)   *GPA (Year 1): 3.32*