QUANG PHAM

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Education

Carleton University   **Expected April 2028**
Bachelor of Computer Science, Honours, Co-op Option   *GPA: 9.98/12.0*
Co-op Availability: Available for a 6 to 8-month work term starting January 2026.

Technical Skills

Certifications: AWS Certified Cloud Practitioner

Languages: Python, JavaScript, TypeScript, C/C++, Dart, CSS, HTML

Frontend: React, Next.js, Flutter, Tailwind CSS

Backend: Node.js, Express, Flask, Rasa

Databases & Cloud: PostgreSQL, MongoDB, Redis, Supabase, AWS, Vercel

Developer Tools: Docker, Git, GitHub, VS Code, IntelliJ IDEA, Prisma, Figma, Postman

Experience

UI/UX Design Intern   **May 2025 – Aug 2025**
Freelance / Student Placement   *Remote*

- Collaborated with clients and project managers to gather requirements and translate them into actionable design deliverables.
- Designed and iterated Figma prototypes and mockups, presenting UI/UX solutions and refining them based on client feedback.
- Created use case diagrams and UI/UX test lists to validate usability and guide the development process.
- Recommended cloud adoption strategies for a startup client, researching providers to support future scalability.

Projects

Quick Info — Lead Generation CRM | *Next.js, PostgreSQL, Redis, Google Maps API*   **August 2025 - Present**

- Engineered a full-stack, web application from concept to deployment on **Vercel** using **Next.js**, featuring a **React frontend** and a **Node.js** backend with serverless API routes.
- Integrated the **Google Maps Platform API** for real-time business discovery, implementing a "data hydration" pattern to enrich lead data on demand while ensuring API term compliance.
- Established a **PostgreSQL** database on **Supabase**, using the **Prisma ORM** to define a schema for managing leads with statuses (e.g., New, Contacted).
- Implemented a server-side **Redis cache (Vercel KV)** to optimize API calls, dramatically reducing latency for repeated queries and minimizing potential API costs.
- Enhanced security by separating client-side and server-side environment variables to protect the Google Maps API key from browser exposure.

Handyman Hub — Mobile UI/UX Case Study | *Figma*   **April 5 - April 10 2025**

- Designed an end-to-end mobile application prototype in Figma, covering the entire user journey from job searching and handyman discovery to direct messaging.
- Developed a comprehensive design system and reusable component library to ensure visual consistency and streamline the developer handoff process.
- Crafted intuitive user flows for core features, including multi-step job posting and a real-time chat interface, to enhance usability and task success rates.

Full-Stack AI Salon Assistant | *Rasa, Python, React, Docker, Flask*   **Jan 2025 – May 2025**

- Improved the chat widget's user experience by building front-end support in React for interactive buttons, enabling a more intuitive, guided, and error-free conversation flow.
- Engineered a full-stack, multi-service AI application featuring a containerized **Rasa** backend and two distinct React frontends (a customer widget and a real-time admin dashboard).
- Authored sophisticated **Python Custom Actions** in Rasa to handle complex business logic, including appointment conflict checking, input validation against business hours, and dynamic response generation.
- Containerized the entire application using **Docker Compose**, authoring custom Dockerfiles to resolve arm64 hardware incompatibilities and debugging advanced Docker networking and volume permission issues.

Objective

- My design philosophy is simple: to create experiences so intuitive and engaging that users lose track of time. I am dedicated to transforming this vision into reality, building beautiful, inclusiveness, and delightful interfaces.