Nathan Au

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Education

Concordia University   Montréal, Quebec
Bachelor of Engineering, Software Engineering, Co-op   2024 – Present
- GPA: 3.3/4.0

West Carleton Secondary School   Ottawa, Ontario
OSSD, Information and Communications Technology SHSM, Co-op   2020 – 2024

Experience

Mobile Developer   Nov. 2024 – Apr. 2025
Google Developer Group on Campus Concordia University   Hybrid / Montréal, Quebec
- Built Amicae, a cross-platform Flutter app that helps university students make connections, find study spots, and stay updated on campus events.
- Earned recognition at the project showcase for: Best UI/UX, Best Presentation, and 2nd Place Overall.
- Worked with 4 other developers to complete the project goals.

Engineering Intern   Sep. 2023 – Feb. 2024
Renaissance Network Reinvent   Ottawa, Ontario
- Designed and implemented functionality tests for computer systems and network hardware.
- Worked across various teams to debug and resolve performance issues.
- Optimized inventory tracking and data management systems for import/export logistics.

Projects

PartCart | Vue.js, Supabase, TailwindCSS
- Web application designed for internal use at computer repair companies to manage the workflow of part requests from technicians to buyers.
- Implementation of part requests dashboard for technicians, approval dashboard for buyers, sorting & filtering by order details, and role-based authentication.

Amicae | Flutter, Firebase, Vertex AI, Dart
- Mobile app designed to help students at Concordia University connect with potential study buddies, discover study spots, and stay updated on university events.
- Integrated Amicae Matchup AI for personalized study buddy recommendations using Vertex AI and developed multi-screen UI/UX for various app use cases.
- Used Firebase for core back-end services and fetched from Concordia Open Data API.

West Carleton Grad System | HTML, CSS, JavaScript, PHP, SQL
- Full-stack web application designed to streamline the creation and management of slideshows for graduation ceremonies.
- Centralized dashboard to input, edit, bulk import student and bulk-upload photos with automatic resizing and assignment.
- Integrated tools such as Google OAuth 2.0, WYSIWYG editor and Bootstrap framework to ensure good UX.

Technical Skills

Technical Skills: Flutter, Vue.js, Python, C++, HTML, CSS, JavaScript, PHP, SQL, Dart, Java,
Applications: SOLIDWORKS, KiCad, Arduino
Languages: English (native proficiency), French (CECR DELF B2)