



Nathan Wong

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Education

B.S Specialization in Computing Science - Minor in Business (09/2020 - Current) | **University of Alberta**

- **Relevant Coursework:** Data structures and Algorithms, Software Design and Development, Databases, Data Analytics, Computer Architecture, Web Applications and Architecture, Android Development, Applied Statistics, Human Computer Interaction, Operation Management.
- Expected Graduation: 04/2025

Technical Stack:

- Python, C, Java, RISC-V Assembly, HTML, CSS, Javascript (React), Git, SQL.
- mySQL, SQLite, MongoDB, Google Firebase, Django, Flask, Heroku.
- Web technologies (HTTP Protocols), REST API's.
- Microsoft office suite (word, excel, etc.), Google workspaces, Notion, Figma.

Work Experience

Coding Instructor (07/2023 - Present) | **Code Ninjas**

- Facilitated engaging coding classes for students between the ages 7 - 14, cultivating their programming skills through hands-on projects on platforms such as Scratch, Javascript, and Unity.
- Collaborated with colleagues to set up the organization's Github repository and Notion workspace.
- Identified key UX issues in curriculum delivery (ease of use, error prevention, etc.) and developed updated solutions.

Heuristic Evaluation & UX Analyst (01/2024) | **Illumia Labs**

- Conducted comprehensive heuristic usability evaluations to enhance the UX of Illumia Labs' cutting-edge products by employing Cognitive Walkthroughs, CRAP, and Nielsen's Heuristic Principles.
- Advocated for user-centered design principles, ensuring that usability recommendations align with the needs and expectations of Illumia Labs' diverse user base.
- Prepared a detailed report highlighting usability issues and potential solutions.

Software Projects

Web Development (09/2023 - 12/2023) | **Social Distribution Site**

- Developed a web application which mimics a traditional social media platform, being able to make multimedia posts, comment sections, and have friend's lists.
- Integrated a REST API which allowed for dynamic data and communication with other apps.
- Developed a deep understanding of HTTP, website hosting, and authentication systems.

Android Application (01/2023 - 04/2023) | **QR-Hunter**

- A QR-Code geocaching mobile app in Java, with multi-user and Google Maps API integration.
- Lead UX designer and UI developer. Created mockups and storyboard sequences in Figma.
- Worked in an Agile-based environment, participating in sprint planning and weekly stand-ups.

Automation (06/2023) | **File Organizer**

- Developed a Python script that organizes the user's downloads folder to reduce system clutter.
- Parses and classifies files into sub-directory categories such as pictures, media, documents, etc using Python's OS and Shutil libraries.