Nathan Wong

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Education

University of Alberta | *2020 - Present (expected: 04/2025)*
- Bachelor of Science with Specialization (Computing Science) with Minor in Business.
- **Achievements:** Dean's honor roll, Rutherford, and Jason Lang scholarships.

Technical Stack
- Python, C, Java, RISC-V Assembly, HTML, CSS, Javascript (React), Git.
- mySQL, SQLite, MongoDB, Google Firebase, Django, Heroku.
- Strong understanding of data-structures, algorithms, and web technologies.
- Microsoft office suite, Google workspaces, and organizational platforms such as Slack and Notion.

Software Projects

Web Development | **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 | **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 following C.R.A.P principles.
- Worked in an Agile-based environment, participating in sprint planning and weekly stand-ups.

Automation | **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.

Work Experience

Code Sensei | **Code Ninjas** | **07/2023 - Present**
- Facilitated engaging coding classes for students between the ages 7 - 14 to foster their programming skills, while continuously mentoring them through the process.
- Guided students through hands-on projects using platforms like Scratch, Unity, and Javascript.
- Collaborated with other instructors on curriculum improvements and delivery.