Vincent Wong

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EDUCATION

Bachelor of Science - Computer Science   Oshawa, ON
Ontario Tech University   *Expected Grad. Spring 2027*
- Relevant Courses: Scientific Data Analysis, Programming Workshop I & II and Data Structures

SKILLS

Languages/Frameworks.: Java, Python, C++, HTML, CSS, JavaScript, SQL, React, NodeJS, FastAPI, MongoDB
Developer Tools: Azure, AWS, Github, Jupyter Notebook, Figma, MS Office, Tableau, Snowflake, Informatica Cloud
Practical Skills: Effective Communication, Leadership, Problem Solver, Risk-Taker, Strategical and Critical Thinker

EXPERIENCE

Data Engineer   Jan. 2025 - Present
Fidelity Investments   *Toronto, ON*
- Created and maintained data pipelines using **ETLs** built on **Informatica Cloud** and stored in **Snowflake**.
- Developed an **AWS Batch** job to automate Tableau extract refreshes, enabling up-to-date data visualization in workbooks and saving up to **50 hours** of labor per month.
- Designed and implemented **proof-of-concept (POC)** solutions to demonstrate architecture concepts and establish architecture guardrails.

Service Desk Representative   Aug. 2021 – Dec. 2024
Metro INC.   *Ajax, ON*
- Managed and coordinated breaks as well as relief for cashiers during shift changes
- Obtained status as Customer Service clerk as well as handing out lottery tickets and answering phone calls
- Selected as one of three employees to lead the launch of the Moi Rewards program, driving a **25%** increase in customer sign-ups during the initial rollout

PROJECTS

Nexus (Hackathon Winner) | *Electron.js, FastAPI, Langchain, Firebase, Pinecone, +*   Feb. 2025 - Present
- Developed **Nexus AI**, a productivity-focused personal assistant integrating smart document management, note-taking, event planning, and AI chatbot assistance.
- Utilized RAG by using **Langchain** for precise queries with access to a **Pinecone Vector DB**, allowing users to add and search their personal files efficiently.
- Developed an AI-enhanced event planner for an intelligent scheduling system, leveraging **Azure Logic Apps** and **OpenAI's GPT-4** for quick analysis of available dates.
- Implemented **Firebase Authentication** to enable secure user login and access control across the application.
- Designed and developed the application's interactive **GUI** using **Electron.js**, ensuring a seamless and user-friendly experience.

Prepifi | *React, Django, Python, TSX, JSX, HTML, CSS, OpenAI, Cohere, OpenCV*   Jan. 2025 - Feb. 2025
- Developed an AI Interview Agent that simulates a mock interview, allowing users to input personal details such as full name, pronouns, age, job title, job description, and company to personalize the interview experience
- Utilized **OpenAI's** text-to-speech and speech-to-text capabilities to allow the user to have real-time transcription and speak directly to our AI Agent with a **98%** transcription accuracy
- Integrated both **Cohere** and **OpenAI** APIs to leverage NLP for analyzing responses and generating contextually relevant follow-up questions during mock interviews
- Created a backend API using **Django** and **Python** to manage user/job data and conversation history

Trash Tech (Hackathon Winner) | *Azure, Python, Django, JS, CSS, HTML*   Jan. 2024 - Sept. 2024
- A web application that enables users to take real-time photos and determine whether the captured item is recyclable whilst achieving a **92%** accuracy
- Leveraged **Azure's** cloud services and trained a Machine Learning Model that recognizes trash detection with over **2000** images and optimizing waste management detection by at least **10%**
- Utilized **Microsoft Azure's Computer Vision** in order to identify objects with descriptions and tags