

VINCENT WONG

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EDUCATION

Ontario Tech University

Expected: April 2028

Computer Science, Bachelor of Science

Oshawa, ON

- Relevant Courses: Scientific Data Analysis, Data Structures & Algorithms & Computer Architecture

EXPERIENCE

IT Architect Intern

Jul. 2025 – Present

Fidelity Investments

Toronto, ON

- Collaborated with **5+** architects to onboard internal and vendor apps to standardize controls
- Led technical discussions with vendors to assess architecture and identify risks to accelerate approvals
- Utilized Jira API data for monthly metrics, eliminating manual updates, saving **10 hours/month**

ML Engineer Intern

Jan. 2025 - Jul. 2025

Fidelity Investments

Toronto, ON

- Built **15+** ETL pipelines with zero critical downtime, ensuring reliable data for analytics and reporting
- Applied ML for sentiment & trends across ETFs, and app usability, informing product & marketing decisions
- Created an **AWS Batch** job for **Tableau** refreshes, saving up to **50 hours/month** and reducing stale data
- Developed POCs with **RAG & MCP**, establishing architecture guardrails and guiding tool selections

Creative Director

May 2022 – Sept. 2024

TDM Web Solutions

Toronto, ON

- Led design & development of websites for **10+** clients, ensuring alignment with business goals and brand identity
- Consulted with businesses to define branding and functionality requirements, generating over **\$10K** in revenue
- Managed client websites maintenance and performance optimization to drive client retention and satisfaction

PROJECTS

volt! | *React, Electron.js, FastAPI, ChromaDB, MCP*

- Built an app **Electron App** for document querying with **93%** accuracy, yielding accurate and quick responses
- Designed to cut repetitive tasks and streamline onboarding, reducing time for students and teams
- Drove **5,000+** interactions and **50+** early-access sign-ups, validating demand and building a waitlist
- Attracted **DMZ** interest and met with the team, advancing toward pilots and funding opportunities

Nexus (Hackathon Winner) | *Electron.js, FastAPI, Langchain, Firebase, PineconeDB*

- Built a productivity assistant for docs, notes, event planning, and chat, improving preparation efficiency by **30%**
- Integrated RAG with **Langchain** and **PineconeDB** for fast, accurate file queries
- Created an AI scheduler with **Azure Logic Apps + GPT-4**, simplifying multi-calendar planning
- Added secure **Firebase Auth** and an interactive **Electron** UI, improving login success to **99%**.

Trash Tech (Hackathon Winner) | *Python, OpenCV, React, Azure*

- Built an AI waste-classification app with **React + Python/OpenCV**, enabling instant, on-device predictions
- Trained model via Azure ML achieving **97% accuracy** using supervised learning
- Enabled instant upload & classification through a responsive web UI, reducing identification time to seconds

Prepifi | *React, FastAPI, MongoDB, Electron*

- Built AI-driven interview preparation platform simulating realistic interview environments
- Integrated **OpenAI** for TTS and STT, and **Cohere** for real-time feedback and conversational AI
- Developed a **React** frontend with a **Django** backend, providing a seamless, stable user experience

TECHNICAL SKILLS

Languages.: Java, Python, C++, HTML, CSS, JavaScript, SQL, React, NodeJS, FastAPI, MongoDB, Electron, Swift

Developer Tools: Azure, AWS, Github, Cursor, Figma, Claude Code, Tableau, Snowflake, Informatica Cloud Services

AI/ML: HuggingFace, RAG, LangChain, OpenAI API, Pandas, NumPy