VINCENT WONG

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EDUCATION

Ontario Tech University Expected: Apr. 2027

Bachelor of Science, Computer Science *Oshawa, ON*

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

EXPERIENCE

IT Architect Intern Jul. 2025 – Present

Fidelity Investments *Toronto, ON*

- Partnered with **5+** architects to standardize app controls, reducing remediation time by **20%**
- Automated reporting by extracting **Jira API** data, eliminating manual updates and saving **10 hours/month**
- Appointed to design and implement a **developer portal** on **Boomi**, boosting developer adoption by 15%

Software Engineer Jul. 2025 – Present

Ontario Tech Racing *Oshawa, ON*

- Maintained and optimized **3+** team websites, improving uptime to **99.9%** and reducing reported issues by **30%**
- Developed internal file storage software for the business team, reducing manual tracking time by **70%**
- Implemented performance monitoring tools and security updates, cutting page load times by **20%**

Data Engineer Intern Jan. 2025 - Jul. 2025

Fidelity Investments *Toronto, ON*

- Created **15+** ETL pipelines with zero critical downtime, ensuring reliable data for analytics and reporting
- Applied ML for sentiment & trends analysis across articles informing product & marketing decisions
- Automated **Tableau** refreshes using a **Python** and **AWS Batch**, saving **50 hrs/m** and reducing stale data
- Utilized **SQL** on **Snowflake** to analyze **5M+ rows**, identifying churn drivers and informing retention strategies

PROJECTS

Quotr: Roofing SaaS Platform | *Next.js, Supabase (Postgres), TypeScript, shadcn/ui*

- Built a **Next.js** SaaS platform supporting **5 pilot roofing firms** to manage quotes, invoices, and client workflows
- Designed normalized **Postgres** schemas and optimized read-heavy queries for quote and invoice views
- Developed a production-ready UI with **shadcn/ui**, informed by feedback from roofing contractors

Tableau Script: Refresh Automation System | *Python, AWS Batch, Tableau Server Client*

- Developed a dynamic script that fully replaced a legacy in-place system, ensuring timely workbook updates
- Automated workbook operations, saving the team **50+ hours per month** and reducing manual intervention to 0
- Implemented dynamic **tag-based prioritization** to organize workbook refreshes based on priority
- Deployed using **AWS Batch** for scalable, reliable execution aligned with upstream data availability

Nexus: Centralized Productivity Hub (Hackathon Winner) | *Electron.js, FastAPI, Langchain, Firebase, PineconeDB*

- Developed a productivity hub for notes, event planning, with a chatbot improving preparation efficiency by **30%**
- Integrated **RAG** with **Langchain** and **PineconeDB** for fast, accurate file queries reducing user overhead
- Created an AI scheduler with **Azure Logic Apps + GPT-4**, simplifying multi-calendar planning

OTUGuessr: Campus-Based GeoGuessr | *React, TypeScript, Firebase, Vercel, Leaflet*

- Developed & hosted a **cross-platform** geography guessing game w/ **React** & **Vercel**, engaging **100+ players**
- Monitored performance through **Vercel Analytics**, tracking traffic of **10k+** interactions
- Implemented a real-time leaderboard system using **Cloud Firestore**, boosting competition and retention

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/Machine Learning: HuggingFace, RAG, LangChain, OpenAI API, Pandas, NumPy