

techandy42@gmail.com

+1 (204)-872-7567

Andy Lee

Education

Waterloo, Canada	University of Waterloo	Sep 2021 - Current
<ul style="list-style-type: none">Bachelor of Computer Science. Starting 3rd year in May 2024.		GPA: 3.7

Employment

Software Engineer	Vluence - Waterloo-based FinTech Company	Sep 2023 - Current
<ul style="list-style-type: none">Improved the performance of the shareholder proposal data extractor program from 30% to 75% accuracy by conducting iterative prompt engineer experiments with Python and GPT-4 API.Addressed issues in existing React Native app and implemented shareholder proposal voting system.Deployed servers and maintained AI services through the Azure cloud platform.		
CEO & Co-Founder	Algo Productivity - Waterloo-based PM Software Company	Jun 2022 - Apr 2023
<ul style="list-style-type: none">Lead a team of three co-founders as the CEO, and developed an automatic calendar management platform.Developed the product using React, Python, and GPT-4 API.Conducted over 70 customer trials while taking part of U of Waterloo startup incubator program.Open-source code is available at my GitHub: https://github.com/gitHubAndyLee2020/Algo_Schedule_Manager		
UI & UX Developer	Versa Networks - California-based Cybersecurity Company	Jan 2023 - Apr 2023
<ul style="list-style-type: none">Improve the mobile-responsiveness and design of the website using Javascript and CSS.Implemented SCRUM workflow using Jira to manage a team of 6 engineers.		

Projects & Awards

3x Hackathon Winner in AI & Blockchain

<https://devpost.com/techandy42>

- 1st place in **Generative AI** Agent hackathon sponsored by Anthropic AI, built automated problem solver AI agent.
- 2nd place in **Blockchain** hackathon held at University of Ottawa, built FinTech smart contract in Rust.
- 3rd place in **Generative AI** pitch competition sponsored by Waterloo.ai, presented mental health app idea.

Venture Capital Market Research

<https://eigenspace.com>

- Conducted market research for **Generative AI** products as member of a Waterloo-based Venture Capital program.

NLP Transformer Bidirectional Translator Model

https://github.com/gitHubAndyLee2020/Transformer_Seq2Seq_Ko_En_Bidirectional_Translator

- Built a Korean-to-English bidirectional translator model using the **Transformer Architecture** with **PyTorch**.

Technical Skills

- Languages: Python, Javascript, Typescript, HTML/CSS, C++, Java, SQL, Bash
- Machine Learning Skills: NLP, Transformer, Image Classification, Computer Vision, RL, Data Processing
- Machine Learning Libraries: PyTorch, TensorFlow, Scikit-Learn, OpenCV, NumPy, Pandas, Matplotlib
- Frameworks and Libraries: React, React Native, Next.js, Node.js, Express.js, Flask
- Tools: Git, Linux, Azure, Google Cloud Platform, Jira, CI/CD