

# FELIX TRAN

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## PROFILE

Full-Stack AI Engineer specializing in JavaScript architecture and machine learning model training. Expert in building cross-platform mobile web apps that leverage both pre-trained Hugging Face models and third-party AI APIs. Combines deep technical skills in algorithm design and full-stack deployment to deliver scalable, intelligent automation solutions.

## EDUCATION

### University of British Columbia

*Bachelor of Science, Major in Computer Science and Mathematics GPA: 3.7/4.0*

Sep 2021 – May 2025

*Vancouver, Canada*

### McMaster University

*Master of Engineering GPA: 12.0/12.0*

Sep 2025

*Hamilton, Ontario*

## EMPLOYMENT

### Junior Software Developer

*Seatech Integration System INC*

Nov 2022 – August 2024

- Enabled company to meet client demands by deploying new integration features in ASP.NET, reducing time-to-market by 15%.
- Led front-end development for a mobile app using React Native, securing multiple contracts and enhancing client engagement.
- Accelerated product launch by one month, improving company product release timeline.

### Research Assistant

*University of British Columbia*

May 2022 – Aug 2022

- Prepared and cleaned data, improving CODEBERT model accuracy by 20% through Python and R.
- Gained expertise in supervised and unsupervised learning, linear regression, k-nearest neighbors, and Naive Bayes models.

### Software Engineer Intern

*Codelynx Software Service LTD*

Feb 2022 – May 2022

- Saved project coding time by 30% by optimizing tech stack through research and development.
- Acquired knowledge in database types, runtime environments, and debugging tools to enhance project development efficiency.

## VOLUNTEER

### Freelance Programmer

*City of Edmonton*

August 2025

- I help write a program for automation getting specific information from newspapers and websites to help everyone in the team to quickly get a grasp of the content without having to read the whole paper
- I helped save everyone in the team 30% of their time to focus on more specific tasks

### Vice President of VSA Organization

*University of British Columbia*

August 2023 – May 2024

- Co-led planning and execution of cultural and social events per semester, increasing student participation by 40%
- Developed and managed communication strategies through social media and newsletters, boosting club membership and engagement.
- Supported club leadership and operations, streamlining event coordination and improving efficiency in managing budgets, logistics, and member activities.

## SKILLS

- \* **Full-Stack Web & Mobile:** MongoDB, Express.js, React.js, Node.js, Next.js, TypeScript, React Native, Redux, ASP.NET Core, GraphQL, RESTful APIs, Docker, CI/CD, Redis, PostgreSQL, TailwindCSS, Microsoft Azure, Firebase, AWS
- \* **AI & ML Engineering:** PyTorch, TensorFlow, LLM API Integration (OpenAI, Gemini), LangChain, , Hugging Face Transformers, Supervised Learning, Intelligent Automation, MLOps
- \* **Data Science & Analytics:** Scikit-learn, Pandas, NumPy, SQL (Advanced), Tableau, Power BI, Matplotlib, Linear Regression, KNN, Naive Bayes, A/B Testing, Feature Engineering, Statistical Analysis, Data Cleaning (EDA).