

KALLIE HUYNH

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EDUCATION

BACHELOR OF SCIENCE, COMPUTING SCIENCE - SOFTWARE PRACTICE | University of Alberta **2021 - 2025**

TOOLS

Java - JavaScript - Python - C - C++ - Assembly - TypeScript - MongoDB - ExpressJS - ReactJS - React Native - NodeJS
- Flask - TensorFlow - Flutter - Angular - Openshift - REST API - Vim - Git - Unix - Linux - Figma - Agile

WORK EXPERIENCE

FULL STACK DEVELOPER | RBC Amplify, Capital Markets, Toronto, Ontario **May 2023 -**

Led the development of an unreleased capital markets product with a team, focused on improving digital customer experiences and using state of the art technology to provide RBC with a distinctive edge in the US market.

- Awarded the prestigious Business Value award, winning \$20,000 as a team for creating a one of a kind banking product with potential to drive competitiveness against US banks and drive substantial revenue gains.
- Developed an unmatched portable app using Plotly and Dash, harnessing machine learning for holistic financial metric forecasting, data-driven recommendations, and text-to-SQL models for natural language database queries. This integration ensures unparalleled efficiency, empowering users with confident decision-making capabilities.
- Leveraged a diverse skill set to create a functional prototype while skillfully crafting a persuasive business case. Presented the pitch to RBC group leaders in a creative and engaging way, securing the award.

UNDERGRADUATE RESEARCH ASSISTANT | University of Alberta, Edmonton, Alberta **January - August 2022**

- A self-driven research project to explore LSTMs (Long short-term memory networks) and their ability to predict compound words from constituent words.
- Curated and preprocessed a specialized dataset, while independently acquiring and applying fine-tuning techniques to iteratively improve LSTM model performance.

PROJECTS

CLUB WEBSITE FOR THE ACCESSIBILITY AND INCLUSIVITY IN MEDICINE CLUB **August 2022**

[Preview](#) | [Github](#)

- Using Notion API, ReactJS for the front-end and NodeJS for the back-end.
- Allows users to add new upcoming events through the club's shared Notion page.

CLUBS AND EXTRACURRICULARS

ADA'S TEAM - TUTOR, VOLUNTEER | University of Alberta, Edmonton, Alberta **September 2022 -**

Volunteer and member of Ada's Team, tutoring introductory computing science and courses to underrepresented groups.

ALBERTA COMPETITIVE PROGRAMMING - MEMBER | University of Alberta, Edmonton, Alberta **September 2022 -**

Member of University of Alberta's Competitive Programming Club, competing in competitions throughout the year.

TIGER SKATE CLUB - MENTOR, VOLUNTEER | Edmonton, Alberta **May 2022 -**

Member of Tiger Skate Club, a group of women and gender minorities working towards inclusivity in skateboarding.

PATENTS

PREDICTING FINANCIAL METRICS | US Provisional Application No. 63/534,295 **August 2023**

A pioneering solution that combines holistic cash forecasting and natural language data querying capabilities.