



# Liêm Truong

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Montreal, Quebec  
Mastery of English & French

## Strengths

Critical thinking | Objective | Rigorous  
Organized | Autonomous | Flexible | Team player  
Solid work ethics | Proactive learning attitude

## Education

Software engineering, B. Eng., Polytechnique Montréal, 2023  
Health science, B. Sc., University of Montreal, 2019, Obtained from pharmacy degree  
French baccalauréat (DEC equivalent), Collège International Marie de France (CIMF), 2015

## Skills and technologies

Typescript – Javascript – Angular – React – Redux | Java – Python – .NET (C#) – Go – MongoDB – REST – SQL | Machine learning (ML) – Data science | Chai/Mocha – Jasmine – JUnit | Spark – Pandas – Streamlit | Git – Confluence – Jira

## Professional experience

**Data scientist intern, in partnership with IBM (LGS) and IVADO** (Python, Streamlit, Spark, Pandas)

Jan-May 2023

- Developed a private data protection app in **Python** that filters, formats, and anonymizes data from datasets of up to 50 GB with automatic detection of sensitive data fields
- Created modules that visualize data by generating graphs and analysis reports using **Plotly** and **Matplotlib**
- Integrated machine learning (**ML**) models and compared the performance and prediction accuracy of these models trained with raw and anonymized datasets using an open-source library made by IBM Ireland

**Full-stack developer intern, helloDarwin** (React, Go)

May-Aug 2022

- Planned and developed a multi-application review module allowing users to read and write reviews about companies they worked with
- Reflected new business needs in existing applications by adapting, connecting and testing new server-side endpoints following best practices in **Go** in order to fetch the appropriate data from the database
- Recreated and fixed visual **React** components and pages based on **Figma** designs, ensuring their responsiveness and compatibility across different devices by adjusting **CSS** properties
- Optimized application performance by managing client-side data and state using **React hooks** and **Redux Toolkit**

**Web developer intern, Optimum Financial Group** (Angular, Java)

May-Aug 2021

- Integrated an automatic email notification service in **Java** using JavaMail API, reducing the manual workload for human resources
- Designed and developed reusable **Angular** components with **Angular Material**
- Unit-tested code with **JUnit** following a test-driven development (TDD) approach and participated in code reviews
- Continuous integration/development with **Jira**, **BitBucket** and **Bamboo** software

**Technical writer, Garantie Avantage Plus** (Confluence, Jira)

Aug-Dec 2020

- Wrote clear and concise documentation for end-users and developers in **Confluence** after manually evaluating workflows and functionalities

## Projects

**NeXtep – Job application tracker** (MERN, React, Redux Toolkit, Node.js, Express, MongoDB)

- Created an app in **React**, **Node.js** and **Express** that allows users to easily track job applications by creating and updating them
- Stored data and user login information with **MongoDB** and optimized application state with **Redux Toolkit**

**Scrabble desktop and mobile game** (Angular, Typescript, Flutter, MongoDB, AWS)

- Designed and implemented game logic by managing end-to-end communication using **RxJS Observables** and **WebSockets**
- Developed a real-time chat functionality using **Socket.io**
- Adapted web version of the project to create a desktop application with ElectronJS and a mobile application using Flutter, both hosted on **AWS**

**Real-time chat application** (React, Javascript, Firebase)

- Created a chat application in **React** which maintains a history of conversations and integrates user authentication and sign in with **Firebase API**

**Food inventory manager** (.NET, C#, Entity)

- Created a password-authenticated interface allowing users to create, read, update and delete available products in **.NET MVC**
- Stored and retrieved local data with the **Entity** framework

## Accomplishments, volunteering and other interests

- Currently studying for **Microsoft Azure certification AZ-900** | Highest honors for French baccalauréat (18.4/20 average)
- Volunteer for Moisson Montréal (2014): sorting and assembling food crates for people in need
- Taekwondo black belt, gold medal in Taekwondo ITF Canadian Championship 2009, referee for Jeux de Montréal, trained for 9 years