

Yan Jiang

Toronto, ON | +1(437)6638661 | jiang6073@gmail.com

[LinkedIn](#) | [GitHub](#) | [Personal Projects](#)

OBJECTIVE

- Versatile technology specialist with expertise in Artificial Intelligence, Web, and Mobile Development. Skilled in building machine learning models, deploying MLOps pipelines, and creating innovative web and mobile applications using modern frameworks and cloud platforms. Currently advancing AI knowledge at Seneca Polytechnic to deliver impactful, user-centric solutions.

HIGHLIGHT OF QUALIFICATIONS

- **Web Development Proficiency:** Experienced in designing and developing dynamic, responsive web applications using JavaScript, React, Python, and Django. Skilled in building RESTful APIs and implementing robust back-end architectures to support full-stack solutions.
- **Mobile Development Proficiency:** Proficient in developing high-performance, feature-rich mobile applications for iOS and Android using React Native, Kotlin, and Swift. Expertise in implementing features such as geolocation, push notifications, real-time data updates, and secure user authentication to enhance usability and functionality.
- **AI and Machine Learning Expertise:** Hands-on experience with machine learning models and pipelines using cloud platforms like Azure, Google Cloud Platform, AWS and Hugging Face. Proficient in data preprocessing, model training, evaluation, and deployment for applications such as sentiment analysis and text classification.
- **MLOps and CI/CD:** Skilled in automating ML workflows with CI/CD pipelines using tools like GitHub Actions. Expertise in deploying scalable, real-time prediction APIs with monitoring and retraining capabilities.

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, Kotlin, Swift, C, HTML, CSS, XML
- **Frameworks:** React, React Native, Express, Django, Flask
- **Tools:** Git, Visual Studio Code, Android Studio, IntelliJ, XCode
- **Database:** MongoDB, Firebase, SQLite

EDUCATION

- **Seneca Polytechnic**, Toronto, Ontario, Canada
Artificial Intelligence | September 2024 – Expected April 2025
- **George Brown College**, Toronto, Ontario, Canada
Mobile Application Development and Strategy | September 2023 – August 2024
- **Shanghai Maritime University**, Shanghai, China
Master's Degree in English Translation | October 2020 - July 2023

- **Shaanxi University of Technology**, Shaanxi, China
Bachelor's Degree in Information Management and Information System | September 2015 - July 2019

INTERNSHIPS

Co-op Backend Developer | Semper8 | April, 2024 – August, 2025

Key Skills: NestJS, TypeScript, MongoDB Atlas, RESTful API Development, Payment Gateway Integration, Database Design, Unit Testing

- Played a critical role in developing a robust payment module backend, leveraging NestJS, TypeScript, and MongoDB Atlas for scalable and maintainable architecture.
- Designed and implemented RESTful APIs for functionalities including: user deposits and payouts; currency conversion into in-app points and points tracking; user-to-user transactions with fees.
- Integrated third-party payment gateways (PayPal) for secure and flexible payment options.
- Collaborated on database schema design to support user transactions, points management, and administrative configurations.
- Conducted unit testing and integration testing to validate system reliability and performance.
- Wrote detailed API documentation to streamline team collaboration and future module expansion.

PROJECTS

AG News Text Classification Using Google Cloud Vertex AI and MLOps

- Collaborated on a group project to develop and deploy a machine learning model for text classification using the AG News dataset from Hugging Face, achieving an accuracy of 91.4%.
- Utilized Google Cloud Vertex AI AutoML for training, model selection, and hyperparameter tuning to categorize news articles into predefined topics: World News, Sports, Business, and Sci/Tech.

Restaurant Order Management System

Technologies used: JavaScript, Express Handlebars, MongoDB Atlas, Node.js

- A comprehensive web server application enabling restaurant order management.
- System features a customer-facing website for order placement and tracking, an admin site for order processing, and a driver interface for delivery management.
- Initially focused on the restaurant website; independently extended to full-stack development of the entire system.

Social Network Web Application

Technologies used: Python, Django, JavaScript, HTML, CSS

- Developed a full-featured social network web application allowing users to post text content, follow other users, and "like" posts in a manner similar to popular social media platforms.
- Implemented user authentication to manage secure sign-ups, logins, and user sessions.
- Designed a responsive front-end with HTML, CSS, and JavaScript, implementing AJAX for dynamic content updates.
- Utilized Django's ORM for database interactions to efficiently handle user data and posts, ensuring a

robust and scalable back-end.

Car Rental Mobile App

Technologies used: JavaScript, React Native, Firestore

- This project involved two interconnected applications aimed at car owners and renters.
- The car owner app allows users to list their vehicles for rent, manage bookings, and approve rental requests. Features include a form for creating listings with auto-population capabilities from a custom-built Vehicles API, and a management screen for tracking and updating booking statuses.
- The renter app enhances user engagement through a map-based search interface displaying nearby rental options and a streamlined reservation process. Key functionalities include geocoding for precise location mapping, and real-time updates on booking statuses, all secured through Firebase Authentication and Firestore for data persistence.