

# Aijing (Jane) Huang

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## EDUCATION

**M.S.**, Computer Science, Northeastern University, Seattle, WA, USA *GPA 4.0*

Expected June 2026

**B.B.A.**, Accounting and Finance, Simon Fraser University, Burnaby, BC, Canada *GPA 4.03/4.33*

August 2014

## TECHNICAL SKILLS

Languages: Java | Python | JavaScript | SQL | HTML | CSS | C | C# | C++

Applications and Tools: AWS | Git | IntelliJ | Visual Studio Code | Android Studio | Jupyter | MySQL | Visual Studio | IIS

## WORK EXPERIENCE AND SELECTED PROJECTS

**Pateric Software LLC**, Redmond, WA, USA (Remote)

July 2024 - August 2024

Software Development Engineer Intern

- Designed and implemented a two-layer **REST API** architecture using **.NET** and **C#**, adhering to the **MVC** pattern to enable secure communication between a corporate LAN web application and text files stored in a DMZ environment.
- Developed APIs** to facilitate secure remote access to text files, ensuring compliance with corporate security policies and minimizing exposure risks.
- Migrated and refactored legacy **VB** code to integrate seamlessly with the new API architecture, improving maintainability and scalability.
- Deployed APIs on **IIS** using virtual hosting techniques and implemented secure **API authentication** via middleware for API key validation.

**Android Financial Management App** (*SmartSpendMax*)

March 2024 – May 2024

- Designed and developed an **Android application** using **Java** to help users track expenses, manage budgets, and visualize financial data through interactive charts and summaries.
- Established a platform for vendors (advertisers) to generate and distribute coupons to target users, leveraging **Google Firebase** for coupon notification integration.
- Designed a **NoSQL database** schema to optimize read/write operations, leveraging Firebase for scalable and efficient data storage.
- Implemented **Google Gemini AI Multimode** to enable innovative input methods, including audio input and receipt photo uploads, automating transaction detail completion, and participated in **Google AI Hackathon**.
- Led a four-member **Agile** team using **Scrum** methodology, conducting weekly sprint meetings and utilizing **GitHub** for version control and collaborative development.

**Reservation System for Movie Theaters**

March 2023 – April 2023

- Led a three-member team in envisioning a **Java**-based movie theater reservation system, adhering to **Object-Oriented-Design (OOD)** principles and **Model-View-Controller (MVC)** architecture.
- Produced functional prototypes and demonstrated core features to teammates, including **design pattern** implementations and an innovative seat reservation **iterator algorithm** for optimized seat selection.

## OTHER PROFESSIONAL EXPERIENCE

**Odlum Brown Limited**, Vancouver, BC, Canada

March 2017 - July 2021

Corporate Actions and Taxation Administrator, **CFA** Charterholder

- Led** cross-departmental projects, demonstrating strong **leadership** and **initiative**, and earning recognition from senior management for delivering results in complex, technical environments.
- Increased team efficiency by **30%** through process optimization and query optimization, showcasing strong **analytical** and **problem-solving** skills.
- Managed tax form recognitions for \$18B in assets under management (AUM), leveraging advanced **data analysis** techniques and developing **VBA automation** tools to streamline workflows and improve accuracy.

**The Peak Group of Companies**, Richmond, BC, Canada

September 2014 - February 2017

Accounting Associate, **CPA** Charterholder

- Collaborated on launching a new **ERP** system with software vendors and internal teams.
- Managed** Accounts Receivables and Accounts Payables operations and **supervised** and **trained** accounting assistants.