

# Braden Wei

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## Education

### McGill University

*B.Sc. Computer Science and Statistics*

*Expected 2026*

- **Coursework:** Software Systems, Operating Systems, Data Structures, Statistics, Probability, Algebra, Honors Calculus

## Experience

### Valsoft Corporation

*AI Developer Intern*

*Montreal, QC*

*June 2025 - Present*

- Scoping and prototyping **AI features and proof-of-concepts (POCs)** across Valsoft's portfolio companies, with a focus on delivering measurable value to end-users.
- Developing an **AI-powered chatbot** for **American Data's ECS platform** to support natural language interaction with clinical records and care data.
- Collaborating with **portfolio company R&D teams** to ensure successful integration of AI capabilities into existing products and workflows.
- Conducting research on recent advances in **LLMs, retrieval-augmented generation (RAG)**, and other AI technologies to inform solution design.

### GnoHive

*Software Engineer Intern*

*Washington, US*

*April 2025 - June 2025*

- Built and maintained scalable backend services using **Node.js**, supporting core platform features and ensuring reliable API performance for **1000+** users.
- Designed and optimized **MySQL** databases to improve data integrity and query efficiency, contributing to faster load times and smoother user experiences.
- Implemented **social media login integration** using **Passport.js** for content creators, and built a dashboard leveraging **Instagram Graph API, TikTok API, and Facebook Graph API** to display top-performing posts.

## Awards & Projects

### Instagram Business Order Automation Tool

[project link](#) 🔗

- Developed an automation system to **streamline order processing** for Instagram businesses by identifying orders in messages and generating receipts for each order. Built with **Typescript/React** frontend and **Python** backend for API calling and server management
- Utilized **ChatGPT API** for AI-powered order extraction and **React Flow** for a visual workflow automation interface.
- Deployed the full-stack application on **Vercel** for customers.

### Roomiez

*Nov 2024 - Present*

- Designed and developed a **cross-platform mobile app** using **React Native** and **Expo** to help university students find compatible roommates more efficiently.
- Built backend services with **Express.js** and integrated **Firebase Realtime Database** for seamless, real-time data sync between users.
- Implemented **Firebase Authentication** to securely manage user sign-up, login, and session state across platforms (iOS and Android).

### Hack McGill

*May 2024 - Present*

- Developed and managed the budget for **McGill University's largest hackathon**, ensuring efficient financial planning and resource allocation for an event with over **600+** participants
- Coordinated event logistics, including managing catering services, securing sponsorships, and organizing merchandise distribution
- Negotiated with leading tech companies such as **Bell, Amazon, and Telus**, crafting tailored sponsorship packages and securing contracts, contributing to over **\$550,000** in sponsorships since the event

## Technologies

**Languages:** Java, Python, TypeScript, SQL, JavaScript, C++, C

**Technologies:** Node.js, React.js, React Native, Pytorch/Tensorflow, Express.js, Django, Angular, Unix/Linux