

Aiden Suh

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EDUCATION

University of Waterloo

Waterloo, ON

Candidate of Bachelor's in Computing and Financial Management, Honours

September 2024 – May 2029

- Double Major in Computer Science and Finance
- **Award:** President's Scholarship of Distinction (\$2000)

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML, CSS, Kotlin, Racket

Frameworks/Libraries: React, Vue.js, Node.js, Next.js, Express.js, Django, Flask, Tailwind CSS, PyTorch

Technologies: Git, GitHub, VS Code, Jupyter Notebook, PostgreSQL, Supabase, SQLite, Nginx, Digital Ocean, Figma

EXPERIENCE

Web Developer

January 2025 – Present

Electrium Mobility

Waterloo, ON

- Building an Android app using **Kotlin** to seamlessly integrate Google Maps with eco-friendly electric cargo bikes
- Engineered a BLE scanner capable of detecting and processing data from **40+** concurrent devices simultaneously
- Developing the team's website using **TypeScript** and **React** to improve UI responsiveness on mobile devices

Technology Coordinator

January 2025 – Present

University of Waterloo Korean Association

Waterloo, ON

- Developed a web app using **Python** and **Flask** to enhance the Canadian-Korean community experience at UW
- Managing the web app deployment infrastructure on **Digital Ocean** to facilitate a seamless user experience
- Utilized **SQLite** to manage membership registrations for **200+** members, providing member-only discount services

CxC Datathon Coordinator

December 2024 – February 2025

University of Waterloo Data Science Club

Waterloo, ON

- Organized **10+** sponsors and a club design team of **3** to oversee key logistics of the opening and closing ceremonies for **Canada's largest Data Science hackathon** to deliver a memorable experience for **350+** participants
- Coordinated **6** education team members and **3** sponsor presenters to deliver **7** beginner-friendly workshops for hackers, resulting in a **233%** increase in workshop offerings compared to the previous year

PROJECTS

RBVeal | *JavaScript, React, Next.js, Tailwind CSS, Node.js, Express.js*

- Won **First Place for the Tech@RBC Sponsor Prize** among **126** teams at the 2025 UofTHacks 12 Hackathon
- Developed a bank phishing simulator with **Nodemailer** for dynamic emails and UIs with **React/Tailwind CSS**
- Built a live AI call agent with **Twilio**, **OpenAI**, **Deepgram**, and **Websockets** for **sub-2s latency** conversations

EchoDoc | *TypeScript, React, Next.js, Tailwind CSS, Node.js, Express.js, Supabase*

- Built a full-stack platform with **ElevenLabs** to allow doctors to automate patient management with voice cloning
- Used **Twilio** and **Google Gemini** for AI phone appointment integration with low-latency natural conversations
- Designed **Supabase** database with **Clerk** authentication for patient profiles and appointment management

OutPerform | *Python, NumPy, pandas, Matplotlib, yfinance*

- Built a **Python** program to create an optimal portfolio to surpass the market average of TSX 60 and S&P 500
- Simulated **1M+** portfolio weights using **NumPy** and **pandas** to identify the most efficient Sharpe ratio in **<50s**
- Implemented **3+** indicator algorithms to assess portfolio valuation and visualized final results using **Matplotlib**

Personal Portfolio | *TypeScript, React, Next.js, Tailwind CSS*

- Developed a portfolio website with **Next.js App Router** to showcase projects and professional experience
- Built a responsive web page using **Tailwind CSS** and **Framer Motion** for smooth animations on all devices
- Implemented a dynamic email form using **Resend** and styled it with **React Mail** for seamless user interaction