STEVEN WU

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EDUCATION

University of Waterloo   Sep 2022 – Apr 2027

Bachelor of Computer Science, Honours, Co-op
- **3.9** GPA, **88%** cumulative average, **89%** computer science average
- Relevant coursework in operating systems, data structures, algorithms, AI, C++, and OOP

EXPERIENCE

Software Engineering Co-op   May 2025 – Ongoing

Super.com   *Toronto, ON*
- Currently developing financial technology solutions

Software Engineering Co-op   Jan 2024 – Apr 2024, Sep 2024 – Dec 2024

Deephaven Data Labs   *New York, NY*

TypeScript, React, Redux. Docker, Playwright, Python, Java, gRPC, GitHub Actions
- Engineered **gRPC** API endpoints, algorithms, and components capable of **efficiently handling billions** of data points, used by **Fortune 500** companies
- Optimized **GitHub Actions CI** end-to-end tests to shorten runtime by over **75%** by modifying tests to be capable of running concurrently
- Developed PyPI Python package for **rapidly calculating JSON tree diffs**, following RFC 6902

Full-Stack Web Developer Co-op   May 2023 – Aug 2023

DocTalk   *Toronto, ON*

TypeScript, Python, React, Next.js, PostgreSQL, Redis
- Re-architected messaging platform to reduce response times by over **93%**, using **websockets**
- Developed **responsive** forms and pages with **REST** APIs with **Redis** and **PostgreSQL**

FIRST Robotics Software Team Lead   Dec 2021 – Apr 2022

🔗 MGCI FIRST Robotics Team   *Toronto, ON*

C++, Git, GitHub
- Won Ontario Rookie All-Star Team, progressed to Texas **World Championships**
- Developed C++ autonomous robotics code using real-time sensors and motor control

PROJECTS

4 Hackathon Wins + UC Berkeley AI/LLM Hackathon   2023 – Ongoing

Python, Django, Flask, TypeScript, React, React Native, Keras, Tensorflow, GPT-4, and more
- *MetHacks 2023* - Cohere Challenge **1st**, Overall **2nd** - **OCR** image-to-speech app
- *ConUHacks VIII* - Overall **2nd** - **multiface detection** and **trained ML** sentiment analyzer
- 🔗 See more at about my hackathon projects

Course Compiler Optimization Challenge #1 Place   2024
- 1st place in course bonus optimization challenge, with 18% better score than 2nd place

SKILLS

Languages: Python, C, C++, TypeScript, JavaScript, HTML, CSS, Go, Java, R, Bash
Technologies: Django, FastAPI, Next.js, NumPy, PostgreSQL, React, React Native, Redis, Redux, SQL
Tools: Amazon Web Services, Git, GitHub, Gradle, Google Cloud Platform, GNU/Linux