

# Angela Skie Xu

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## Technical Skills

**Languages:** Python, Typescript/Javascript, C/C++, GraphQL, SQL, Java, Bash, Racket

**Frameworks:** React, Node.js, FastAPI, Prisma, Express, Flask, Springboot, Vue, pandas, Tensorflow, IPFS, gRPC

**Technologies:** Docker, Kubernetes, AWS, GCP, Azure, Gradle, Maven, Postman, Jupyter, Kafka, Redis

## Education

**University of Waterloo, Bachelor of Computer Science (expected)**

Waterloo, ON

5x Dean's List, \$22,000+ in Scholarships, AI Specialization, CM Minor, 4th co-op term

3.9 GPA, Sep. 2022 - Present

## Experience

**Software Engineer Intern (Applied ML)**

Jan 2025 - Apr 2025

MedMe Health (YC W21) | Typescript, REST, SQL, GraphQL, Deepgram, OpenAI

Toronto, ON

- Automated AI-driven form-filling using **web socket** to transcribe live appointment recordings into structured data.
- Deployed feature that reduced time spent on manual healthcare data entries by **400 hours** weekly for **1000+** pharmacies.
- Developed a secure feedback system to gather **real-time user insights** from pharmacists, collecting **300+ data points** from beta customers to enhance transcription accuracy and usability, authenticated with **one-time secure tokens**.

**Software Engineer Intern (DevOps)**

May 2024 - Aug 2024

MedMe Health (YC W21) | AWS, GraphQL, Typescript, SQL, Grafana Cloud K6

Toronto, ON

- Spearheaded Performance Testing project with **99%** test coverage of **50+** GraphQL production requests, demonstrating loads with **300 virtual users running 100 user flows for 6 hours**, visualizing **90%** of all requests.
- Created secure endpoints using **JWT** token and scope guards, ensured with **penetration testing**.

**Junior Developer**

May 2023 - Aug 2023

iBlüm Learning Company | Java, Vue, DBever, SQL, SonarQube, Athena, Thymeleaf

Toronto, ON

- Resolved **1000+** technical debt, **300+** bugs, and **50+** data fixes with **SQL** queries, resulting in **15%** productivity increase.
- Crafted responsive HTML templates leveraging **Thymeleaf**, and streamlined the PDF conversion process using **Athena**.

**Google Student**

July 2022 - Aug 2022

Google | Computer Science Summer Institute | HTML/CSS, Javascript

- Conducted **10+ individual coding projects** and delivered a collaborative capstone presentation to Google engineers

## Projects

**Heckler.AI - Hack the Valley 8 First Place** | Python, OpenCV, Taipy

Oct 2023

- Leveraged OpenCV, Google's MediaPipe framework, and a **web socket** to transmit real-time data analysis to the frontend.
- Trained ML model using own data collected and several Classification Models to achieve **95%+** accuracy in **36 hours**.
- Devised a **custom GUI component** in Taipy to implement webcam functionality in the absence of a pre-built library.

**VisionCraft.ai - Hack the 6ix MVP** | Next.js, TailwindCSS, Google Cloud, OpenAI, IPFS, Yolo v3, PyPDF2

Aug 2023

- Crafted an interactive front-end using React, facilitating seamless navigation and **responsive design** across screens.
- Spearheaded the development of key features, including the integration of a **dynamic PDF guide generation** system that leverages **IPFS protocols** for secure and efficient delivery to users.

**Claude Watson Event Registry** | C++

Mar - May 2022

- Pioneered a comprehensive database with CRUD functionality utilizing advanced C++ class inheritance techniques that incorporated robust input validation, enhancing data integrity by addressing common error patterns.
- [Documentation](#) covers the **program architecture**, **traceability matrix**, and **system interface design**.

## Achievements and Activities

**Leadership**

GeeseHacks Organizer | Web Developer @ Google Students Developer Club, Math Club | Computer Science Club Lead

**Honors and Awards**

4x Hackathon Winner | JASSO International Scholarship | GHC Scholarship | Euclid & Fryer School Champion (Top 0.5%)

**Certifications**

CPA Programming Essentials in C++ | Cisco Introduction to IoT | Certified L2L Tutor