

# Angela Skie Xu

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## TECHNICAL SKILLS

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**Languages:** Java, C++, C, Python, Dr Racket, JavaScript, Typescript, HTML/CSS

**Frameworks:** React, TailwindCSS, Bootstrap, Bulma, Flask, Node.js, Next.js, Firebase

**Developer Tools:** Git, Linux, Bash, LaTeX, VS Code, Eclipse, Autocode

## EXPERIENCE

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### Computer Science Summer Institute, Google

July 2022 - Aug. 2022

*Scholar*

*Remote*

- Participated in a 4-week intensive computer science program for **high-achieving students**
- Configured **10+ individual coding projects** in HTML/CSS and JavaScript
- Delivered a [final project](#) presentation that included a live demonstration to **Google employees**

### UW Mathematics Society

Jan. 2023 – Present

*Web Developer*

*University of Waterloo*

- Responsible for the rebuilding, improving, and monitoring of the Math Soc website.
- Tech stack used includes **Pug** as a templating engine, **Express** as the web server, **JSON**, and **SCSS**

## PROJECTS

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### [WeatherWear](#) | React JavaScript, Next.js, Autocode, Stable Diffusion AI, Puppeteer, REST

Feb. 2023

- Adopted the Autocode platform to create an API **endpoint** to fetch images generated by the **Stable Diffusion** and images scraped from Pinterest by the Puppeteer **web scraper**
- Used OpenWeatherMap API to **determine weather conditions**, wind speed, and temperature

### [WikiLearn](#) | React, JavaScript, HTML/CSS, Tailwind, Bootstrap, Python, Flask, Figma

Jan. 2023

- Implemented the **Tailwind framework** and **React JavaScript** to develop a high-info home page
- Assembled initial brainstorm through multiple **Figma** designs
- Adopted multiple YouTube APIs, Wikipedia APIs, and language APIs such as DataMuse to scrape Wikipedia pages and simplify passages into comprehensive summaries

### [Energy Capitalist, Sustainable Webgame](#) | JavaScript, HTML/CSS, Bulma

Aug. 2022

- Implemented the Bulma framework and grids and **flexbox** to create a friendly user interface
- **Automated** the currency increase and active states of devices within the house model using JavaScript timers in random intervals and **class properties** along with cross-referenced arrays

### [TRAV.L, Travel Buddy Finder](#) | JavaScript, HTML/CSS, Bootstrap, Firebase

Jul. 2022

- Presented and won the **Radia Perlman Award** at Ignition Hacks with a [video demonstration](#)
- Implemented and stored user login information using **Cloud Firestore**

### [Claude Watson Event Registry](#) | C++

Mar. – May 2022

- Created a Database simulation using pure C++ vectors, classes, and subclasses complete with input validation
- [Documentation](#) covers the **program architecture**, **traceability matrix**, and **system interface design**

## EDUCATION

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### University of Waterloo / Wilfrid Laurier University

Waterloo, ON

*Bachelor of Computer Science / Bachelor of Business Administration Double Degree 4.0 GPA, July 2022 - Aug 2027*

## HONORS AND AWARDS

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### Scholarships

*\$10,000 Scotiabank Women in CS Scholarship, \$5,000 Admanski Scholarship, \$10,000 UofT Dean's Merit Award*

### Honor Roll Awards

*Euclid and Fryer School Champion Medals, Mathematics and Chemistry Graduation Awards, Ontario Scholar Honor Roll*

### Certifications

*CPA Programming Essentials in C++, Cisco Introduction to IoT, Certified L2L Tutor, ARCT Piano Performance*