

Jenny Lei

4th year Computer Science student seeking internship in 2023.

Website jennylei.ca
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Work Experience

Google | SWE Intern | Cloud Telecom Analytics May - Aug 2022

- Helped major telecommunication companies understand and use the **Wireless Services API** by developing **Python** sample scripts to support onboarding, and showcase its capabilities and integration with BigQuery.
- Supported proof-of-concept projects for major telecommunication companies.
- Wrote code that uses the **Wireless Services API** to determine the accessibility of receiver coordinates and polygons given antenna specs and threshold.
- Wrote **Python** scripts to create composite GeoTIFF images from smaller GeoTIFF images using **GDAL**.
- Wrote user guides, concept docs, and design docs.
- Created a GitHub repo from the ground up: set up the pull request process, configured bots for assigning reviewers, designed the repo structure, and researched Python best practices.

Google | [STEP](#) Intern | Chrome Web Payments May - Aug 2021

- Helped create a safer, more friction-less online payment experience by implementing the authentication UI on **Android** using **Java** and the no credentials UI on desktop using **C++** for Secure Payment Confirmation (SPC).
- Enabled android SPC to launch in Chrome's M93 origin trial through the completion of accessibility checklist and UI implementation reviews.
- Took initiative to address product excellence by fixing a crashing bug to improve stability and adding/fixing failing tests to improve test coverage.

SS&C Technologies | Full Stack Developer Jan - Apr 2021

- Worked with developers, designers, QA testers, and sales team members to build a fully functional demo in 6 weeks using **Angular** with **TypeScript**.
- Built reusable templates for dynamically rendered JSON forms and widget containers using **RxJS**.

Evidence Partners | Full Stack Developer Co-op Apr - Aug 2020

- Developed, designed, and tested endpoints for new public-facing RESTful APIs using **PHP** and **Lumen** framework.
- Built a JWT authentication mechanism and token invalidation system using **MySQL** and **Kubernetes CronJob**.

Personal Projects

UWBadminton | Match and score tracking website 2022 - 2023

- Built a website using **React** with several other varsity badminton team members to track practice match results, player statistics, and rankings.

BusyMap | Hack the 6ix Geotab sponsor challenge winner Aug 2020

- Built a website using **HTML**, **CSS**, and **JavaScript** that helps users plan trips while avoiding popular locations using the **Google Maps** and **Geotab API**.

Skills

TypeScript	Angular
Python	C++
JavaScript	CSS / SCSS
HTML	React
Java	MySQL

Education

Computer Science, Honors, Co-op Program

University of Waterloo
2019 - Present | 4th Year
Cumulative Average: 94%

Community Involvement

Organizer, Google Bay Area Open (GBAO) badminton tournament
2022

University of Waterloo varsity badminton team
2019 - Present

Hobbies

Badminton, volleyball, skiing

Drawing

Video games