

# BILL YU

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**Objective:** Seeking **software** related **internship** roles for **Summer of 2024** to challenge myself, develop current and new skills, and gain practical experience and professional development.

## EDUCATION

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### University of Washington

Computer Science

Seattle, WA

September 2021 – December 2024

- **Minor:** Linguistics
- **GPA:** 3.4
- **Relevant Courses:** Data Structures and Parallelism, Software Design & Implementation, Intro to Data Management, Systems Programming, Operating Systems, Machine Learning

## PROFESSIONAL EXPERIENCE

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### Terra GIS

Freelance Software Developer

Seattle, WA

June 2023 – Present

- Develop key features of web map viewer using Parcel, Postgres, MapServer, PHP, and Apache.
- Work directly with JavaScript interface, SQL database backend, and GIS data.
- Ensure clients from around the world have stable access to thousands of map layers.

## PROJECTS

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### 333gle (Mini Google)

Academic Project

Seattle, WA

Sep 2022 – Dec 2022

- Implemented multi-threaded web server in C++ from scratch in Systems Programming course.
- Assembled file search engine, recursively parsing directories to create inverted index structure.

### Info Salad

Hackathon Project

Seattle, WA

Oct 2022

- Facilitated web extension project to estimate carbon footprint of user's online traffic.
- Utilized Python for web scraping and Flask server. HTML, CSS, JavaScript for extension UI.

### CampusMaps

Academic Project

Seattle, WA

Apr 2022 – Jun 2022

- Produced full-stack web application from scratch during Software Design Course.
- Constructed app using a Spark Server backend in Java and ReactJS frontend in TypeScript.

## ACTIVITIES & LEADERSHIP

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### Web Impact UW

President

Seattle, WA

June 2023 – Present

- Manage organization connecting students to local communities through free website projects.
- Oversee club rebrand and pilot multiple new programs for member base of 300 students.
- Facilitate the development and management of a 12-person officer board.

## TECHNICAL SKILLS

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**Languages:** JavaScript, Python, Java, SQL, HTML, CSS, C, C++

**Tools:** React, NodeJS, Azure, PostgreSQL, MongoDB, Git, Linux