

Bill Wang

#310 2631 Durant Ave | Berkeley, CA 94704 | Phone: (510) 973-9218 | E-Mail: billsboard@berkeley.edu

EDUCATION

UC Berkeley, *B.Sc. Electrical Engineering and Computer Science*, 3.9/4.0 GPA Berkeley, CA | **Expected Graduation May 2026**

Relevant Courses: AI, Operating Systems, Probability, Data Structures & Algorithms, Computer Security, Discrete Math

West Point Grey Academy, 4.00/4.00 GPA

Vancouver, BC | Class of 2022

COMPUTER SCIENCE EXPERIENCE

Lica World, *Software Engineering Intern*

San Francisco, CA | August 2024 – Present

- Developed containerized ML models and backend using Docker and RESTful API endpoints for microservices while also ensuring portability and quick scaling.
- Developed and tested wrappers for third-party APIs and tested for reliability, availability and performance guarantees.
- Created front-end webpages to interface with backend services and documented and automated testing and deployment.

PrivateGPT, *Software Engineer*

Vancouver, BC | December 2023 – May 2024

- Leveraged my experience in AI, vector databases, embedding, and Python to develop a customer chatbot. Employed GPT's natural-language capabilities to allow for highly customizable features for individual customers.
- Used industry-standard methods of encryption and cloud infrastructure to seamlessly ensure protection and security of customers' sensitive data.
- Created and gave presentations on our product to capture attention and obtain funding from potential customers/investors.

CloudX Technologies, *IT Developer*

Vancouver, BC | September 2021 – May 2022

- Architected an online meeting platform capable of 100+ concurrent meeting rooms supporting various uses such as online classes, meetings, and events.
- Used load-balancing and fault-tolerant infrastructure in the cloud to meet availability and performance requirements.
- Ensured code was easily readable and secure by writing documentation and using NGINX and Linux firewall tools.

LEADERSHIP EXPERIENCE

WordCount, *Founder, Lead Developer*

Vancouver, BC | March 2022 – Present

- Lead a team of 4-5 people in using SQL, RESTful APIs, RegEx, and Java to develop a verified bot for providing insight to common topics on over 1000 Discord servers.
- Managed workflows and group programming to ensure good version control and accountability between members in the team.
- Optimized algorithms with data structures, caching, and batching to achieve a 3x speedup over unoptimized implementations.

CS 61A Course Staff, *Academic Intern*

Berkeley, CA | January 2023 – May 2023

- Taught students programming and Python concepts during office hours. Assisted students in solving difficult problems and deciphering the logic behind the solutions.
- Tutored students weekly in a one-on setting, planned out classes, and left them reporting feeling more confident for exams.
- Prepared review sheets and exam tips for exam prep sessions to bolster student ability and assist in studying routines.

CMP AWS Dashboard, *Software Engineer*

Vancouver, BC | June 2024 – August 2024

- Utilized API programming to develop a dashboard to aggregate cost and usage data from over 50 accounts to one place.
- Led a team of 3 to meet and share ideas, resulting in quick development and a working prototype in only a couple of weeks.
- Leveraged AWS cloud to retrieve and process data in a timely manner while incurring virtually no cost for every new client.

APPLIED TECHNOLOGY EXPERIENCE

Amazon Web Services, *Solutions Architect Professional*

September 2023 – Present

- Studied the services and features offered on the AWS Cloud Platform. Familiarized myself with their use cases and showed proficiency in utilizing them.
- Demonstrated the ability to devise and deploy solutions for various applications and to enforce industry best practices.
- Obtained the Solutions Architect Professional certification by passing the exam administered by AWS.

CalSolar Club, *Electrical Engineering Member*

Berkeley, CA | January 2023 – January 2024

- Engineered and manufactured circuits and a fuse mechanism to protect the club's prototype from electrical faults and shorts.
- Tested electrical systems to gauge their performance to survey car health and for performance diagnostic analysis.

SKILLS & INTERESTS

Technical Skills: Programming, web design, React/React native, AI/ML, cloud computing, AWS, security, databases, Git, and LaTeX

Programming Languages: Java, C/C++, Python, Go, Rust, JS, HTML/CSS, Node.js, Flutter/Dart, Assembly, SQL, and C#

Language: Bilingual proficiency in English and Chinese, elementary proficiency in French

Interests: Chess, 3D printing, card games, and badminton