Bill Giang

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EDUCATION

Stanford University – Stanford, CA September 2024 – June 2028

Bachelor of Science in Computer Science – Information and Artificial Intelligence Specialization

Relevant Courses: Programming Abstractions, Computer Organization and Systems, Operating Systems Principles, Full-Stack Web Programming, Virtual Reality Design and Development, Computer Networking, Modern Data Systems (Embedded-Systems), Deep Learning, Robot Perception

WORK EXPERIENCE

Lumanity – Morristown, NJ (Remote) June 2026 – August 2026

Market Access Intern

- Interviewed and surveyed **30+** team members to identify workflow bottlenecks and opportunities for **AI adoption.**
- Contributed to the project launch of a critical cure for sickle cell disease. Performed **deep AI quality scans** on 30+ crucial project documents, ultimately standardizing a new **document-check workflow**.
- Created **10+ AI playbooks** and training resources **used by 60+ employees** to standardize automated AI workflows.
- Managed a **pilot across 3 teams**, presenting resources to **30+ stakeholders** including C-suite executives, incorporating feedback to refine solutions, and developing a roadmap for **organization-wide adoption**.

University of Washington Math and Science Upward Bound – Seattle, WA June 2025 – August 2025

Program Assistant

- Managed digital information using **Excel, Canvas, and WordPress** to support day-to-day program operations.
- Maintained and configured over **80 laptop devices and 5+ 3D printers**, utilizing **Clonezilla** for large-scale software deployment and designing 3D models with **Blender**, **Tinkercad**, and **Onshape**.
- Served as a TA; guided **six laboratory experiments**, facilitated communication and managed lab equipment.

PROJECTS

Rolyn – Full-Stack Website Development **Skills applied: HTML/CSS, JavaScript, SQLite, Supabase**

- Developed a full-stack marketplace for Filipino communities to post and discover local jobs and services, with category/city filtering and two-sided posting and browsing workflows.
- Built a vanilla ES-module frontend with an Express 5 backend, integrating SQLite for persistent data storage and Supabase for email and Google authentication.

Heap Allocators – Low-level System Development **Skills applied: C Programming Language**

- Implemented implicit and explicit free-list heap allocators, supporting malloc, free, and in-place realloc using raw pointer arithmetic and block metadata.
- Optimized allocation using a doubly linked free list and reduced memory fragmentation through block splitting and coalescing of adjacent free blocks.

APPLICABLE SKILLS

Coding Languages: Java, C, C++, Python, R, JavaScript, SQL, HTML/CSS, Assembly, Bash

Technical: Data Structures & Algorithms, Object-Oriented Programming, Full-Stack Development, Systems Programming, Operating Systems, Memory Management, Debugging, Probability & Statistics, Machine Learning, Logistic Regression, Image Classification, Data Analysis, Data Visualization, Git/Version Control, SQLite, REST APIs, Next.js, Node.js, FastAPI, NumPy, pandas, TensorFlow

Tools: Git, Excel, Clonezilla, CAD, Blender, Tinkercad, Onshape, 3D Printing, Microsoft Office, SharePoint, Canva

Other Skills: Team Leadership, Coaching, Website Development, Tutoring, Photography

Languages: English, Mandarin, Cantonese, Japanese