Timothy Ou

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Education

California State University, Fullerton, BS in Computer Science   Aug 2024 – May 2028
- **GPA:** 4.0
- **Coursework:** Introduction to Programming, Object Oriented Programming, Data Structures, Discrete Math

Experience

Open Source Officer, Association for Computing Machinery – Fullerton, CA   Jun 2025 – Present
- Led **10+** weekly open-source development workshops, cultivating collaboration among **80+** students
- Contributed to **3** semester-long ACM projects, used by **700+** CSUF students

Marketing Officer, Association for Computing Machinery – Fullerton, CA   Jan 2025 – Present
- Designed impactful Figma graphics for workshops/events, elevating branding and boosting engagement by **50%**
- Collaborated on digital campaigns, driving a **35%** increase in social media engagement and membership

Volunteer IT/Web Administrator, Caltech – Pasadena, CA   Jun 2025 – Aug 2025
- Successfully migrated Professor Rossman's Mineral Spectroscopy web server (Apache 2.2/Win 7 to 2.4/Win 11), enhancing security and ensuring **10,000+** global users uninterrupted access
- Restored critical research data and classic plotting software running on Windows XP from a failing hard drive, preventing data loss and ensuring operational continuity

Eagle Scout, Boy Scouts of America – Los Angeles, CA   Aug 2017 – May 2024
- Mentored **20+** scouts, cultivating outdoor skills and fostering teamwork, leadership, and problem-solving
- Coordinated **35+** bi-weekly meetings, fostering scouts' skill development and strengthening teamwork

Projects

GitHub Stats CLI Tool | *Python, GitHub API*   Oct 2024 - Present
- Contributed to Python CLI tool that retrieves commits and pull requests from acmcsufoss GitHub organization
- Utilized caching to store requested data from acmcsufoss GitHub organization for improved performance
- Streamlined the code by removing redundancy when fetching statistics from acmcsufoss GitHub organization

Global City Explorer - FullyHacks Project | *JavaScript, HTML, CSS, SvelteKit*   Apr 2025 - Apr 2025
- Developed a real-time global city information app using SvelteKit, enabling users to search and view key data
- Engineered intuitive front-end to display dynamic city data (time, temp, attractions) sourced from external APIs
- Implemented robust autocomplete search, enhancing user experience and streamlining city data access

Geometric Shapes Calculator | *JavaScript, HTML, CSS*   Mar 2024 - May 2024
- Developed a web application to calculate the area and volume of 2D and 3D geometric shapes
- Designed intuitive interface for efficient shape input, enhancing user experience and streamlining calculations
- Implemented dynamic visual representations with labeled sides for enhanced geometric understanding

Technical Skills

Languages: C++, JavaScript, Python, HTML, CSS, R
Developer Tools: Git, GitHub, Linux, Visual Studio Code, SvelteKit, RStudio

Additional Experience And Awards

National Honor Society President: Managed **5** members of the executive board to build a cohesive community, driving both service and academic excellence

Fullyhacks 2025 Organizer: Assisted in event coordination for **300+** hackers, streamlining check-in and maintaining a vibrant atmosphere through continuous participant interaction