

Resume - Tyler Tran

Education

Bachelor of Science in Computer Science

California State University, Fullerton (CSUF)

August 2022 – May 2026 (Expected)

- Current GPA: 3.2 / 4.0
- Relevant Coursework: Data Structures, Algorithms, Operating Systems, Computer Networks, Introduction to Artificial Intelligence
- Dean's List: Fall 2023, Spring 2024

Technical Skills

- **Programming Languages:** Python, C++, JavaScript, HTML5, CSS3
- **Tools & Frameworks:** Git, VS Code, Bootstrap
- **Concepts:** Object-Oriented Programming (OOP), Data Structures, Algorithms
- **Soft Skills:** Problem-Solving, Team Collaboration, Time Management, Communication

Projects

Personal Portfolio Website | CPSC 349 – Web Development | Spring 2025

- Designed and developed a responsive portfolio website using HTML5, CSS3, and JavaScript to showcase skills, projects, and experiences.
- Deployed the website on GitHub Pages for public access:
github.com/tylertran/portfolio.
- Technologies Used: HTML5, CSS3, JavaScript, Bootstrap, GitHub Pages.

Shift-Reduce Parser with Concrete Syntax Tree (CST) | CPSC 323 – Compilers & Languages | Spring 2025

- Built a shift-reduce parser in C++ to process expressions (e.g., "id + id * id") and generate a textual Concrete Syntax Tree.
- Implemented error handling and proper indentation for CST output, ensuring compliance with LR(1) parsing tables.
- Technologies Used: C++, Git.

Control Flow Graph (CFG) and Data-Flow Analysis | CPSC 323 – Compilers & Languages | Spring 2025

- Developed a Python program to construct a CFG from Three-Address Code (TAC) instructions and perform Reaching Definitions and Live Variables analyses.
- Outputted CFG structures and iterative IN/OUT sets until convergence, following project guidelines.
- Technologies Used: Python, Pandas.

Experience

Peer Tutor – CSUF Computer Science Department | *September 2024 – Present*

- Assist fellow students in understanding core concepts in Data Structures and Algorithms through one-on-one tutoring sessions.
- Conduct weekly study groups to help students prepare for exams, focusing on problem-solving techniques and coding practices.
- Improved students' average grades by 10% through targeted support and practice sessions.

Receptionist – Fantastic Sam's Hair Salon | *May 2022 – Present*

- Assisted stylists with scheduling appointments.
- Answered phone calls for appointments and products.
- Took on extra tasks that stylist may be too busy to undertake

Extracurricular Activities

CSUF Offensive Security Society | *Member* | *September 2023 – Present*

- Participate in coding workshops, hackathons, and guest speaker events focused on Cybersecurity.

Association for Computing Machinery | *Member* | *September 2022 - Present*

- Collaborated on a team project to develop a basic chatbot using Python, presented at the club's annual tech showcase.
- Developed lesson plans and hands-on activities to engage students and foster interest in STEM fields.

Additional Information

- **Languages:** English (Fluent), Vietnamese (Native)
- **Interests:** Exploring AI trends, Cybersecurity research, skateboarding, open-source contributions
- **Availability:** Seeking Summer 2025 internships in AI or Cybersecurity roles