

# William Trantan

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## Objective

I am seeking a summer internship to apply my programming skills in a real-world setting, collaborate with experienced developers, and gain hands-on experience in software development.

## Education

### University of California, Merced

August 2021 - May 2025

- Major: Computer Science and Engineering, GPA: 3.7
- Relevant Coursework: **Data Structures, Computer Organization and Assembly Language, Algorithms and Design, Computer Visions, Circuit Theory, Human-Computer Interactions**

**Programming Languages:** (Proficient) C++, **Python, HTML, CSS, JavaScript, TypeScript** (Prior Experience) C, Assembly

**Libraries/Tools:** Git, React, SQL, Bootstrap, Tailwind CSS

## Experience and Projects

### Tiny Health Tales | <https://github.com/wtrantan/tiny-health-tales>

December 2023 - Present

*Lead Web Developer*

- TypeScript, React, Youtube API
- Responsible for designing and creating a full-stack website and implementing YouTube API for creating interactive video media to advocate and promote health to the people of San Joaquin Valley
- Employed effective communication with fellow web developers

### Igniteducation - Remote

November 2020 - July 2021

*Web Developer Internship*

- Implemented Bootstrap, HTML, CSS and Photoshop to redesign the company website for mobile devices
- Employed effective communication between teams of peers

### Computer Organization and Assembly Language Projects | <https://github.com/wtrantan/CSE031>

- Project 1: Created a word search puzzle solver in C
  - Implemented recursive functions to iterate through a 2D matrix to return the puzzle solution
- Project 2: Created an assignment score average calculator including adding and dropping scores in MIPS
  - Implemented selection sort, and other recursive functions to calculate averages

### Algorithms and Design Labs | <https://github.com/wtrantan/CSE100>

- Lab 6: Hash Table in C++
- Lab 9: Huffman Code Algorithm in C++
  - Implemented priority queues

### My Portfolio React Website Project | <https://github.com/wtrantan/react-portfolio>

- JavaScript, React, and Tailwind CSS
- A portfolio website that showcases my projects and I
- Implemented parallax, and smooth navbar scrolling

## Charities/Volunteer Work

### Silicon Valley Turkey Trot | <https://www.svturkeytrot.com/>

- Assisted participants in marathon registration, tag creation and distribution, and rallying

### Catholic Charities of Santa Clara | <https://www.ccscc.org/>

- Distributed, unloaded, and prepared food for those in need. Learned to organize and sort to load and pack efficiently

### Turning Wheels for Kids | <https://www.turningwheelsforkids.org/>

- Built bikes for children with teams of volunteers. Organized and labeled bikes

## Personal

**Skills:** Adaptive, Efficient, Effective planning, Patient, Articulate communication

**Awards:** Vietnamese biliteracy certificate, High School athletic certificates in varsity water polo/swimming, Chancellor's Honors List

**Languages:** English, Vietnamese, Basic Spanish