William Trantan

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Objective

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,** and (In progress) **Computer Visions, Circuit Theory, Human-Computer Interactions**

Languages: (Proficient) **C++, Python, HTML, CSS, JavaScript,** (Prior Experience) C, Java, Assembly
Libraries/Tools: Git, React, SQL, Bootstrap, Tailwind CSS

Experience and Projects

Igniteducation - Remote   **November 2020 - July 2021**
Web Developer Internship
- Implemented Bootstrap, HTML, and CSS to redesign the company website for mobile devices
- Used Photoshop to edit company logos
- 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 Assignments | *https://github.com/wtrantan/CSE100*
- Lab 6: Hash Table in C++
- Lab 9: Huffman Code Algorithm in C++
  - Implemented priority queues

Bankin It Project | *https://github.com/wtrantan/banking-it-Project*
- JavaScript
- Created a Tycoon game inspired by Adventure Capitalist
- Final project for AP Computer Science A

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