

Esther Anaya

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EDUCATION

University of California, Irvine Irvine, CA *Bachelor of Science, Computer Engineering* 2021 – Present

Rancho Verde High School Moreno Valley, CA, *High School Diploma*, Summa Cum Laude 2018-2021

PROJECT EXPERIENCE

- **C++ Black Jack Program:** A program in C++ on NetBeans IDE 8.2. Features the well known card game black jack where the user plays against the computer. User gets randomized cards and picks whether or not to draw more or keep their current sum. The computer then gets randomized cards and goes through the same process. The program then compares the two and picks a winner or calls a draw.

PROFESSIONAL EXPERIENCE

National Honor Society Public Commissioner, Rancho Verde High School Moreno Valley, CA Aug 2020-Jun 2021 I collaborated with others weekly to coordinate community service events, socials, and fundraisers, presented event details to club members, and administered weekly after school tutoring.

- **Collaboration skills:** worked with other students to plan and execute events, fundraisers, and community service.
- **Public Speaking:** developed presentation skills by participating in presenting slideshows of event information to hundreds of students and by presenting ideas to staff.
- **Interpersonal skills:** developed through working with all kinds of students and quickly adapting to their learning styles and personalities.

Volunteer Tutor, Rancho Verde High School Moreno Valley, CA Sept 2018- Jun 2021 Worked with staff and students to hold free tutoring sessions for the entire school, grades 9-12, every day after school. The school had mostly low income students who could not afford outside tutoring so it was important to us to try and provide a flexible and free option to help our students succeed.

- **Collaboration skills:** learned to work with teachers and staff to coordinate when, where, and how these sessions would be held. Worked with students individually to identify points of confusion and guide them accordingly. Adapted quickly to different learning styles and techniques.

Link Crew Leader, Rancho Verde High School Moreno Valley, CA Jan 2020-Jun 2021 I helped coordinate anti-bullying programs to increase awareness of what bullying can look like and its impacts. We spread resources and gave a voice to those who needed it. We strived to spread awareness, positivity, and overall improve school safety. We went to different elementary, middle, and high schools.

- **Maintained a positive and welcoming environment** for vulnerable students while maintaining professionalism and respect.
- **Collaboration skills:** Collaborated with teachers to report how engagement with students went and how we can improve. Collaborated with students of all ages. Learned to adapt to different age ranges and personalities.

Ross Dress for Less associate Perris, CA *Sales Associate* Jul 2021- Aug 2021 I was mainly responsible for being a cashier but would fill in for other positions such as product placement, cleaning, and greeting customers. Having to work with other associates and help customers gave me a lot of experience in team building and developing interpersonal skills to achieve a professional and productive work environment that would keep customers coming back.

- **Interpersonal skills:** Developed communication skills though working with coworkers and customers.
- **Collaboration skills:** Worked with managers to help fill in roles of people who called off, worked with coworkers to organize the store.

SKILLS & COURSEWORK

- **Skills:** C++, C, Linux, Tutor/Mentor, collaboration experience, interpersonal skills, customer service
- **EECS 31 Introduction to Digital Systems:** Digital representation of information. Specification, analysis, design

and optimization or combinational and sequential logic, register-transfer components and register-transfer systems with datapaths and controllers. Introduction to high-level and algorithmic state-machines and custom processors.

- EECS 20 Computer Systems & C programming: Data representation and operations. Simple logic design. Basic computer organization. Instruction set architecture and assembly language programming. Introduction to C. Functions and recursion, data structures, pointers. Programming laboratory.
- EECS 22 Advanced C: C language programming concepts. Control flow, function calls, recursion. Basic and composite data types, static and dynamic data structures. Program modules and compilation units. Preprocessor macros. C standard libraries.

EXTRACURRICULARS

SHPE Society Of Hispanic Professional Engineers *Member* November 2023 - Present

SWE Society of Women Engineers *Member* November 2023 - Present