

Vince Ermitano

✉ vermitan@ucsd.edu

☎ (619) 944-2743

📍 San Diego, CA

COMPUTER SCIENCE BACKGROUND

4th year student at UC San Diego pursuing a Computer Science degree. A majority of my field-related experience are projects and assignments from coursework. Through such, I gained a foundation in data structures, algorithms design and analysis, and software engineering. Actively seeking an internship role that will push me to grow and learn to become successful in a software-development/engineering career.

TECHNOLOGIES AND TOOLS

- Java
- C++
- HTML
- CSS
- React
- Android Development
- Git & GitHub
- ZenHub
- Unit, Integration, & UI Testing

GITHUB

<https://github.com/vince-ermitano>

EDUCATION

University of California San Diego (Senior)

- *Pursuing* B.S. in Computer Science
- Expected Graduation: March 2023
- C.S. Coursework GPA: 3.95
- Overall GPA: 3.976
- Awarded Provost's Honors each quarter

PROJECTS

School Programming Projects

- **Birds of a Feather (Java):** Implemented an Android student communication app with a team of 6. I had roles in the UI design and local database management (Room API) in building of the app. I made sure to keep the team on track and actively helped others in their designated roles.
- **Threads (Java):** Implemented a thread system in the Nachos Instructional Operating System allowing for multiple threads to run concurrently. The use of semaphores, condition variables, and locks were required to achieve synchronization between threads that shared data.
- **Multiprogramming (Java):** Implemented system calls and support for multiprogramming in the Nachos Instructional Operating System. This involved allocating memory for multiple processes via paging and translating virtual memory to physical memory.
- **Alarm Clock (SysVerilog):** Created an alarm clock functionality design via the SystemVerilog hardware description language.
- **Huffman Encoding (C++):** Implemented Huffman's Encoding and Decoding algorithm to compress and uncompress files.

Personal Work

- **Portfolio Website (HTML, CSS, JS, REACT):** Created and published a responsive and interactive portfolio website (vinceermitano.com) with the utilization of a couple libraries (Swiper, EmailJS) along with the React framework.