

Zander Barajas

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EDUCATION

San Diego State University

Bachelor of Science in Computer Science

San Diego, CA

Aug. 2024 – Present

San Diego Mesa College

Associate's Degree for Transfer in Computer Science. Applied with 3.74 GPA

San Diego, CA

Sept. 2021 – May 2024

EXPERIENCE

Technology Support Specialist/PC Technician

Envision Engineering Inc

May. 2023 – August. 2024

San Diego, CA

- Built and provided multiple computers to excel in named software like AutoCAD and ETABS
- Set up and maintained a network server using a Synology NAS device for more accessible project sharing
- Routinely updated programs and hardware, providing support when difficulties arose with current installations

Courtesy Clerk

Gelson's Markets

June 2022 – January 2023

San Diego, CA

- Developed social skills and learned how to communicate with management
- Built customer service skills and attended to the needs of customers

PROJECTS

Library Management | C/C++, CMake, Git, CLI

May 2024 – Present

- Developed a library management program that manages items and customers through CLI
- Different item types implemented through an object-oriented design with classes
- Patron waitlist properly handled through a Queue data structure
- Smart pointers used to ensure effective memory management
- Regex used to determine if given date or ISBN is valid

Personal Website | HTML, CSS, Bootstrap, Git

May 2023 – Present

- Created my own website through HTML and CSS, utilizing the Bootstrap framework
- Made commits through Git and deployed through GitHub Pages
- Implemented a custom CSS stylesheet through the Sass preprocessor
- Features multiple functional pages and a Responsive Web Design

TECHNICAL SKILLS

Concepts: Data Structures, Algorithms, Object-Oriented Programming, OOP Concepts, Computer Systems, Problem Solving, Website Design, Video & Audio Encoding

Languages/Frameworks: C/C++, Python, Java, JavaScript, HTML/CSS, Sass, Bootstrap

Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, CLion, IntelliJ, Eclipse, Linux, Windows

Libraries: NumPy, Matplotlib, VapourSynth, Unittest, Boost, toml11, Beautiful Soup