Diego Nieves

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EDUCATION

California Polytechnic State University, San Luis Obispo San Luis Obispo, CA
Bachelor of Science in Computer Science *Sept 2022 - June 2026*

Relevant Coursework

Data Structures, Intro to Computer Organization, Systems Programming, Software Engineering, Intro to Database Systems, Intro to Computer Security, Progamming Languages, Statistical Programming with R

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C/C++ HTML/CSS, SQL, R
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, RStudio
Libraries: pandas, NumPy, Matplotlib, React

PROJECTS

Contact Website | *JavaScript, HTML/CSS, React* Fall 2024 - Winter 2025

- Designed and developed a full-stack contact management web application with user authentication and profile customization.
- Integrated secure login and signup using JWT-based authentication and protected routes, with refresh token support.
- Implemented features such as subgroup organization, dynamic search, and responsive UI for enhanced user experience.

2D Game Simulation | *Java* Fall 2023

- Enhanced a pre-existing 2D game simulation by implementing features such as character navigation and task automation.
- Applied optimal pathfinding algorithm to optimize character movement towards assigned goals within the game world.
- Added different characters and actions type with unique behaviors to diversify in-game interactions

Terminal Replica | *C* Spring 2024

- Developed a replica of a Unix terminal with commands such as 'mkdir', 'ls', and 'touch'.
- Implemented loading and saving of inodes to simulate a basic file system, supporting persistence between sessions.
- Improved usability by adding support for user-friendly features like tab completion and command history.

LEADERSHIP

Color Coded Event Coordinator June 2024 – Present

- Lead and organize community-focused events that empower underrepresented groups in tech at California Polytechnic State University, San Luis Obispo
- Design and pitch inclusive event ideas that align with the club's mission, including speaker panels and technical workshops