

Tyler Baxter

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Education

California Polytechnic State University, San Luis Obispo

Sept 2021 - Present

- Bachelor of Science in Computer Science
- Current Cumulative GPA: 3.4, 4x Dean's List
- Algorithms, Data Structures, System Programming, Object-Oriented Programming and Design, Introduction Software Engineering
- Expected graduation in Spring 2025

Projects

The Infinite World Simulation

Sept 2022 – Dec 2022

- Program created in Java
- Constructed an endless simulation of a virtual world containing interacting entities with behavior changes based on simulated events
- Devised and implemented an A-star pathing strategy to allow effective entity traveling
- Object-oriented programming style with a focus on inheritance and abstract classes

User Storage

July 2023 – September 2023

- Software application created with JavaScript/React
- Utilized npm from Node.js to run the application, ensuring efficient server-side execution.
- Developed the frontend using React with JavaScript and constructed a REST API as a crucial component of the backend using Express.js, communicating with HTTP calls.
- Initially utilized State and Props for frontend data management, but evolved the application to integrate MongoDB, enabling storage of user data and removal of an internal in-memory user list.

WeatherBOT

June 2023 – July 2023

- Program created in Python
- Designed a personalized forecast sent through text/email directly to the user based on local weather patterns devised from .csv file reading
- Implemented a new daily message to consistently provide accurate weather reports

Skills

- **Languages:** Java, Python, C, C++, React/JavaScript
- **Technologies:** Rest API, NodeJS/Express, MongoDB/MySQL, Linux, Git, Tower/GitHub,
- **Personal Skills:** Problem solving, Team leadership, Interpersonal communication, Adaptability

Work History

The Club at Castlewood Private Golf Course

June 2023 – Present

- Player Services
- Managed player check-in, maintain event timelines/records, ensure a welcoming atmosphere
- Supported course upkeep, continuously optimized driving range, and ensured a seamless opening and closing of the club

Porky's Pizza Palace Pleasanton

Feb 2019 – June 2023

- Kitchen Leader, Delivery Driver
- Started as kitchen staff communicating with customers and collaborating with team
- Promoted to Delivery Driver with the responsibilities of leading the key meal-prep stations, meeting quick turn-around timelines, and training new employees