

Jose Ignacio Patino

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EDUCATION

University of California at Santa Cruz | Santa Cruz, CA

B.S. in Computer Science

June 2024

Relevant Courses: Computer System Design, Distributed Systems, Agile and Scrum Methodologies, Algorithms & Analysis

TECHNICAL SKILLS

Programming Languages: C(Advanced), Javascript (Advanced), C++ (Intermediate), Python (Intermediate), Haskell (Beginner)

Operating Systems: MacOS X, Linux

Frameworks: React.js, Next.js, Node.js, Express.js, Mongoose/MongoDB

PROJECTS

BeatBox | Team Project

July 2023

- Collaborated with a team of 6 and developed a fully functional drum sequencer using HTML, CSS, and Javascript, allowing users to create, save, and upload sounds to create real songs
- Designed and implemented important features, such as a panning knob, a solo button, and upload sound byte functionality
- Adhered to Scrum ideologies by incorporating standup meetings to discuss progress and maintaining a storyboard to ensure project completeness

Multi-Threaded HTTP Server | School Project

May 2023

- Written in C, the server allows for multiple clients simultaneously, while maintaining a coherent ordering of requests
- Utilized synchronization primitives to ensure that responses conform to a consistent and atomic linearization of client requests
- Used Web Socket API to create a connection between a client and server in order to send data across each other

PROFESSIONAL EXPERIENCE

Javascript Tutor | Digital Nest | Salinas, CA

Aug 2023 - Sept 2023

- Introduced highschool students to the fundamentals of front-end web development, including HTML, CSS, and Javascript
- Conveyed difficult Javascript concepts, such as data fetching and RESTful APIs, in a simple and understandable manner to students of various age groups
- Facilitated a welcoming learning environment with interactive coding exercises, active learning techniques, and being accessible for help

Shift Lead | Viva Espresso Organics Coffee | Salinas, CA

July 2021 - Sept 2022

- Set priority to tasks and assigned them to team members to ensure a smooth day-to-day operation
- Provided training and mentorship to new and current team members
- Held the responsibility of opening and closing the shop, which included counting the register, placing orders with vendors, and verifying that shop was stocked for each new day

HOBBIES

Personal Interests: Web Development, Playing Guitar, Hiking, Building Mechanical Keyboards, Running, Volleyball