

Jacob Ganburged

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EDUCATION

University of California, Santa Cruz

Bachelor of Science in Computer Science Game Design

Sept. 2022 – June 2026

Santa Cruz, CA

Relevant Coursework: Computer systems and assembly language, C programming, Discrete Math, Calculus 1-3, Programming Abstractions: Python, Linear algebra, Data Structures & Algorithms

EXPERIENCE

Coding Tutor

Oakland, CA

June. 2023 – Aug 2023

- Designed and delivered engaging Python programming lessons for a class of 15 children, fostering their enthusiasm for technology and coding. Tailored instructional content to suit the unique learning needs of young learners, ensuring a fun and educational experience.
- Produced innovative coding projects and activities that encouraged practical application of Python concepts. Projects ranged from simple games to interactive animations, providing hands-on learning experiences that enhanced students' problem-solving and critical thinking skills.
- Mentored and motivated young minds to explore the world of coding and computer science resulting in the empowerment of my students with the confidence and skills to pursue their own coding adventures, and nurture their interest in STEM fields.

Pressed Assistant Manager

Oakland, CA

Oct. 2021 – March 2022

- Played a vital role in inventory management, overseeing stock levels, ordering supplies, and optimizing stock turnover to minimize waste and ensure that the store is well-stocked to meet customer demand.
- Provided strong leadership and supervision to a team of 10, ensuring daily operations run smoothly. This includes managing schedules, delegating tasks, and fostering a positive work environment.
- Actively engaged with customers, addressed their needs and concerns to guarantee a top-notch experience. Worked to resolve issues, provided product knowledge, and upheld our commitment to exceptional service.

PERSONAL PROJECTS

Discord Music Bot | *JavaScript*

Sept 2023 – Present

- Developed a Discord music bot entirely using JavaScript, enabling users to play, queue, and control music in their servers.
- Successfully integrated the bot with the Discord API, ensuring a smooth and responsive user experience. Implemented commands for song requests, playlists, and advanced features like volume control and skipping tracks.

Resume | *HTML, CSS*

Sept 2023-Present

- Developed a frontend resume to display my skills
- Coded a custom CSS style sheet

Personal Portfolio | *HTML, CSS, React, JavaScript*

January 2024-Present

- Developed a comprehensive personal website using React, JavaScript, CSS, and HTML to provide an in-depth look into my personal interests, hobbies.
- Employed Figma for intuitive UI/UX design and Vite for a modern, fast front-end build tool, reflecting a blend of creativity with technical expertise.

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in both English and Mongolian

Developer Tools: Python, Html/CSS, React, C, JavaScript, Vite

Libraries: pandas, NumPy, Matplotlib, Phaser

Clubs: Cruzhacks, UCSC SOON Movement