

# Jonathan Hirsch

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## Career Objective

To obtain an internship in computer science and continue to learn and sharpen my skills in new technologies. My drive, curiosity, and team-driven mindset will excel in a software development role.

## Education

### Bachelor of Science in Computer Science

Oregon State University, Corvallis

Expected December 2024

### Bachelor of Arts in Business Management Economics

University of California, Santa Cruz

September 2018 - September 2020

### Collegiate and Community Experience

- Interned at Center for Applied Ethics and Values in Emerging Technologies, Crown College - UCSC 2020.
- University of California Study Abroad Program - Maastricht University, Netherlands - Entrepreneurship, and Managerial Leadership, Summer 2019.

## Work Experience

### Jr. Staff Accountant

*Hyder Property and Co.*

July 2022 - September 2022

San Marcos, CA

- Reconciled bank accounts, and reviewed the cash flow for different properties.
- Reviewed general ledgers, making necessary adjustments to ensure accuracy and correctness.

### Viticulture Intern

*Advanced Viticulture*

April 2021 - October 2021

Windsor, CA

- Retrieved, measured, and reported on >500,000 data points.
- Created and maintained spreadsheets for data analysis for each property.

## Projects

### Personal Portfolio Website | *JavaScript, React, HTML/CSS, MongoDB, Express.js, and Node.js*

- Developed a Single-Page Application (SPA) using the MERN stack for a personal portfolio website.
- Implemented a CRUD (Create, Retrieve, Update, Delete) component to interact with a MongoDB cluster based on a Mongoose Schema. Created a new page for logging data, allowing users to perform CRUD operations through a React frontend and REST backend.

### Checkers Game | *Python, Git, and GitHub*

- Created a simulation of a game of checkers, which incorporates objected-oriented programming concepts.
- Developed a visual component, so players can accurately visualize the board and view their moves.

## Technical Skills

- **Languages:** Python, HTML/CSS, JavaScript, SQL, x86 Assembly, and knowledgeable in C.
- **Frameworks:** Django, Flask, React, MongoDB, Node.js, and Express.js.
- **Tools:** Git, GitHub, VS Code, and PyCharm.
- **Relevant Coursework:** Introduction to Cybersecurity, Web Development, Data Structures, Computer Architecture and Assembly Language, Analysis of Algorithms (Upcoming) and Databases (Upcoming).