Hayden Johnston

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Github: https://github.com/Hayden-Johnston
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EDUCATION

Oregon State University - *BS Computer Science; GPA 3.23* Expected 2024
Portland State University - *BS Biochemistry, Minor: Physics; GPA 3.16* Graduated 2020

Relevant Coursework:

- Data Structures and Algorithms
- Analysis of Algorithms
- Introduction to Web Development
- Introduction to Databases

CERTIFICATES

- AWS Certified Solutions Architect – Associate

SKILLS

- **Hard Skills:** Workflow automation, API development and integration, Data management and migration
- **Programming/Databases:** Python, JavaScript, HTML/CSS, Go, SQL, MongoDB
- **Frameworks/Tools:** Node.js, Express, Flask, React, MVC, Docker, Git

PROJECTS

Chat Bot – Python, SQLite, Discord.py, and Docker
https://github.com/Hayden-Johnston/Discord-GPT-bot

- Developed bot to query chat-GPT from Discord server. Implemented discord.py to prompt bot functions from chat that call OpenAI API and return the GPT-3 response to the server. Integrated SQLite database to track chat memory for each user to enable continued conversation and allows users to delete their own data.

Inventory Database – MongoDB, Express, React, and Node.js
https://github.com/Hayden-Johnston/MERN-inventory

- Programmed a database application with web UI to track inventory. Integrated REST API with JavaScript and Express to interact with MongoDB database. Includes create, read, update, and delete functions.

Historical Stock Analysis – Python, BeautifulSoup, Pandas, and Plotly
https://github.com/Hayden-Johnston/IBM-datascience

- Created interactive dashboard to visualize historical stock and revenue data. Gathered data from Yfinance using API and scraping. Parsed HTML with BeautifulSoup, Analyzed data with Pandas, and visualized with Plotly.

WORK EXPERIENCE

JSOR Extracts **Feb. 2022 – May 2022**
Lab Tech – White City, OR

- Performed ethanol extraction of 140 pounds of plant material per day utilizing centrifuge, rotary evaporators, decarboxylation reactor, filtration devices, vacuum pumps, fluid pumps, and chillers.
- Cooperated with team to uphold OLCC compliance and order tracking through the METRC system.
- Implemented workflow changes and system reconfiguration to improve quality and efficiency of extraction.