

Jacob Deaton | Richmond, VA (Willing to relocate)

deatonja@oregonstate.edu | [GitHub](#) | [LinkedIn](#) | [Portfolio Website](#)

EDUCATION

Oregon State University

B.S. Computer Science

- 4.0 GPA

June 2024 - August, 2026 (Expected)

Corvallis, OR

University of Virginia

B.A. Economics

- 3.34 GPA

Aug. 2017 - May, 2021

Charlottesville, VA

WORK EXPERIENCE

Federal Management Partners

Business Development Analyst

Sept. 2021 – Dec. 2023

Arlington, VA

- Led the creation and development of a customized Power BI Data Dashboard, leveraging thousands of real-time data points from Microsoft Dynamics and custom DAX functions to effectively summarize key business metrics for executive stakeholders.
- Served as the technical lead for workforce benefits analysis, utilizing Python's Seaborn and Matplotlib libraries to efficiently visualize essential metrics derived from Qualtrics survey data.
- Actively contributed to the capture planning, content generation, and final review of over 20 impactful proposals in the human capital sector, with the collective contracts valued at over \$5 million. Independently developed 5 RFIs from inception to completion.

PROJECTS

Python Stock Analyzer

github.com/jd-58/stock-analyzer

- Developed a Python-based stock analyzer application leveraging the Yahoo Finance API to download and process live stock data.
- Utilized Tkinter framework to implement a user-friendly GUI which integrates Matplotlib to visualize stock price history and key stock metrics.

Assembly Weather Tracker

github.com/jd-58/weather-tracker

- Created a weather tracking program in x86 MASM Assembly to track and calculate helpful weather information.
- Implemented functions to calculate minimum, maximum, and average temperatures, rounded to two decimal places.
- Categorized days as cold, cool, warm, or hot, and displayed the count for each category based on temperature ranges.

Blackjack Game

github.com/jd-58/blackjack

- Developed a Python-based blackjack game using Pygame, featuring gameplay options including hand splitting and doubling down.
- Currently training an AI using Pytorch to try and replicate perfect blackjack strategy.

TECHNICAL SKILLS

Languages

Python, JavaScript, CSS, HTML, Assembly

Technologies/Skills

Unit Testing, Tkinter, SQL, Git, React, Matplotlib, Seaborn, Pygame