

Aidan B. Bolton

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EDUCATION

University of Colorado Boulder <i>Professional Master's in Computer Science</i>	Boulder, CO <i>May 2023</i>
Austin College <i>Bachelor of Arts, cum laude</i> Major: Computer Science, Minor: Accounting	Sherman, TX <i>May 2021</i>

JOB OBJECTIVE

- To leverage my education, gain experience, develop skills, and build expertise as a software engineer.

EXPERIENCE

Data Scientist – Lockheed Martin / Master's Capstone Project

Role: Project Lead and Model Development *Sep. 2022 - May 2023*

- Developed Large Language Transformer Models with PyTorch and Huggingface for predictive analysis on subcontractor status notes to determine health of the contract.
- Performed EDA using Pandas to understand dataset and find predictive trends and features.
- Worked closely with student and Lockheed team in an Agile process to deliver project on time.

Computer Science Grader and Tutor

CU Boulder and Austin College *August 2019 - December 2021*

- Assessed student performance and helped them problem solve at a undergrad and graduate level.

Information Technology Summer Internship

Austin College *June 2019 - August 2019*

PROJECTS

Personal Portfolio Website *July 2023*

- Used Next.js, React, JavaScript, and CSS to develop and deploy my personal website.

Augmented Reality Maintenance App

Role: Backend Developer and Test Development *Mar. 2022 - May 2022*

- Worked with 3 other students as a part of a Software Engineering course to plan, design, and create and deploy a full stack application in 8 weeks using CICD practices.
- Created Flask API endpoint to analyze new data from messaging queue and add to SQL database.
- Wrote integration tests using pytest to ensure production branch was operational.

Crypto Price Prediction Model

Data Processing and Model Design *Nov. 2022 - Dec 2022*

- Worked with a partner to train an LSTM model to predict cryptocurrencies' future prices based on historical crypto and stock data.
- Model performed well but did not beat benchmark of crypto data alone; stock data added noise.

MITM Attack Demonstration

Networking *Nov. 2022 - Dec 2022*

- Used ARP Poisoning to demonstrate a MITM attack over a LAN.

3-D OpenGL Model of Informed Leaders Paper

Computer Graphics *May 2023*

Proficient Languages: Python, Java, C, C#, Bash, JavaScript

LEADERSHIP

PAΘ Fraternity President	<i>2019 - 2021</i>
Buffalo Gap Summer Camp Senior Counselor	<i>2018</i>
Eagle Scout Rank/Service Project	<i>2017</i>