

# Aidan B. Bolton

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## EDUCATION

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### University of Colorado Boulder

*Professional Master's in Computer Science*

**Boulder, CO**

*May 2023*

### Austin College

*Bachelor of Arts, cum laude*

**Sherman, TX**

*May 2021*

Major: Computer Science, Minor: Accounting

## JOB OBJECTIVE

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

## EXPERIENCE

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### 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

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### 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, 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/Skills:** Python, Java, C, C#, Bash, JavaScript, Unix Programming

## LEADERSHIP

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PAΘ Fraternity President

*2019 - 2021*

Buffalo Gap Summer Camp Senior Counselor

*2018*

Eagle Scout Rank/Service Project

*2017*