

Aidan B. Bolton

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EDUCATION

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

- 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, 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

2019 - 2021

Buffalo Gap Summer Camp Senior Counselor

2018

Eagle Scout Rank/Service Project

2017