Aidan B. Bolton

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EDUCATION

University of Colorado Boulder   **Boulder, CO**
Professional Master's in Computer Science   *Expected May 2023*

Austin College   **Sherman, TX**
Bachelor of Arts, cum laude   *May 2021*
Major: Computer Science, Minor: Accounting

SKILLS

Backend Development: Flask, MySQL, RabbitMQ

Languages: Python, Java, SQL, HTML, C, C#, Bash

Other: Unix System Administration, Hugging Face Transformers, PyTorch, Pandas, NumPy, Trello

PROJECTS

Professional Master's Capstone Project – Lockheed Martin

Role: Model Architect and Database Admin   *Sep. 2022 - May 2023*
- Worked with a team of 4 in a scrum development process.
- Created Database schema to store historical subcontract performance data.
- Utilized NLP to create a subcontract performance predictive analysis transformer model.

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.

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.

MITM Attack Demonstration

Language: Python   *Nov. 2022 - Dec 2022*
- Used ARP Poisoning to demonstrate a MITM attack over a LAN.

3-D Scene with lighting in OpenGL

Language: C#   *June 2022*
- Created complex 3-D objects to compose a scene of a pond, bridge, and mill.

EXPERIENCE

Computer Science Grader

Data Center Scale Computing   *September 2021 - December 2021*
- Worked with the T.A. to meet with students and assess their performance on assigned labs.

Computer Science Tutor

Intro and Interm Computer Programming   *August 2019 - May 2020*
- Helped students learn the fundamentals of C.S. and taught correct coding standards.

Information Technology Summer Internship

Austin College   *June 2019 - August 2019*
- Replaced and setup computers in labs throughout several campus buildings.

LEADERSHIP

ΡΛΘ Fraternity President	*2019 - 2021*
Buffalo Gap Summer Camp Senior Counselor	*2018*
Eagle Scout Rank/Service Project	*2017*