

# Aidan B. Bolton

| (940) 613-5039 | [abbolt36@gmail.com](mailto:abbolt36@gmail.com) | [abbolton.com](http://abbolton.com)

## EDUCATION

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

## SKILLS

*Full-stack Development:* React, Next.js, CSS3, Flask, MySQL, RabbitMQ, GitHub Actions

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

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

## JOB OBJECTIVE

- To leverage my expertise in ML, AI, and software systems to improve business operations.

## EXPERIENCE

### Professional Master's Capstone Project – Lockheed Martin

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

- Lead a team of 4 in a scrum development process and EDA.
- Developed Large Language Transformer Models for subcontract predictive analysis.

### 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.

## PROJECTS

### 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.

### 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 OpenGL Model of Informed Leaders Paper

*Language: C* *May 2023*

## 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>