Tristan Koster
Houston, TX 77096 • tkoster123@gmail.com • + 713-858-7893

EDUCATION

TEXAS A&M UNIVERSITY **College Station, TX**
Bachelor of Science, Major in Interdisciplinary Engineering (Software Engineering) **2019-2023**
GPR: 3.48
Minor in Computer Science

PROFESSIONAL EXPERIENCE

AMAZON LAB126 **Sunnyvale, CA**
Software Developer Engineering Intern **June 2022-August 2022**

- Collaborated with a team of developers as an intern at Amazon, contributing to the development of Amazon ASTRO.
- Developed front-end features using JavaScript, HTML, CSS, ROS, and jQuery, ensuring seamless user experiences and optimized performance.
- Worked closely with senior developers to troubleshoot and debug issues, ensuring efficient and reliable code functionality.

AMAZON LAB126 **Sunnyvale, CA**
DEP Software Developer Engineering Intern **June 2021-August 2021**

- Contributed to the development of a full-stack data pipeline specifically designed for Amazon ASTRO.
- Leveraged YAML, Python, HTML, and CSS to design and implement a robust data processing and visualization system relating to parameter tuning.
- Developed Python scripts and modules to automate data ingestion, transformation, and analysis, enabling seamless integration with Amazon ASTRO's data ecosystem.

SKILLS

- Technically Proficient in: Python, JavaScript, HTML/CSS, React, Node.js, Flask, and MongoDB
- Previous experience in Java, CPP, SQL, jQuery, YAML, and R

PROJECTS

Meal Planner **January 2023-Current**

- Built a full-stack MERN (MongoDB, Express.js, React.js, Node.js) application that allows users to select and compile personalized meal plans, utilizing an intuitive user interface and seamless data integration.
- Implemented a messaging feature using Twilio API to automatically send users their selected meal data via text messages, ensuring convenient access to their meal plans on-the-go.

Research Paper Sorter **August 2020-May 2021**

- Developed and implemented an NLP-based sorting algorithm in Python to categorize and organize research papers, resulting in improved efficiency and accessibility for researchers.
- Transformed project into a research paper, highlighting the methodology and findings, which was published to Taylor & Francis Online.

MLB Pitching Analysis **January 2021**

- Conducted an exploratory data analysis (EDA) project on Kaggle, analyzing pitching data in MLB baseball to uncover patterns, trends, and insights that impact player performance and outcomes.