Michael McKinsey

EDUCATION

TEXAS A&M UNIVERSITY
B.S. in Computer Science
Minor in Mathematics
May 2022 | College Station, TX
College of Engineering
GPA: 3.86 / 4.0

COURSEWORK

UNDERGRADUATE
CPSC
Parallel Computing (+Research)
Artificial Intelligence
Machine Learning
Operating Systems
Analysis of Algorithms
MATH
Comm. and Cryptography I & II
Discrete Mathematics
Linear Algebra

SKILLS

Languages
C++ • Python • Java
Bash • SQL • HCL
JavaScript • HTML • CSS
Tools
AI/ML
Keras • Scikit-learn
Parallel
OpenMP • MPI • CUDA
Misc.
Airflow • Amundsen • CircleCI
Docker • Elastic • GCP
Git • Github • Heroku • Jira
Kubernetes • Neo4j • Snowflake
Terraform • Tonic.ai

EXPERIENCE

WORKRISE | Engineering Enablement | Tonic Project
Software Engineering Intern | June 2021 - August 2021
- Deployed & managed the Tonic application via Helm & Kubernetes.
- Wrote Docker & Bash files to containerize Tonic output databases (Postgres & MongoDB) for easy consumption/integration by end users (developers).
- Employed Terraform HCL to manage the Tonic workspace and subsequent resources, including developing new Terraform modules for Postgres & MongoDB.
- Worked with target customers (developers) to integrate production databases into Tonic.
- Presented the Tonic project to a wide range of Engineering team members.

RIGUP | Data Engineering | Amundsen Project
Software Engineering Intern | June 2020 - August 2020
- Deployed, implemented, and tuned data discovery and metadata engine Amundsen via GCP Virtual Machine.
- Generated usage statistics from Snowflake SQL queries to import as metadata into Amundsen.
- Implemented lineage metadata and Google Storage functionality for Amundsen.
- Utilized Airflow, CircleCI, and GCP Functions to ensure automated deployment and execute runs of Amundsen.
- Worked alongside the Business Intelligence team to identify additional features to implement and metadata to gather in Amundsen.
- Presented the Amundsen project to a wide range of Engineering team members.

TEXAS A&M UNIVERSITY | IT Security Operations | CAP Program
Senior Student Security Analyst | September 2019 – June 2020
- Assist to manage and train Junior Student Security Analysts.

Student Security Analyst | January 2019 - September 2019
- Developed Python Scripts to automate understood procedures, develop new alerts, and aggregate information.
- Monitored the TAMU network in real-time through various IDS systems.
- Analyzed a variety of data sources to triage security events.
- Attended weekly trainings regarding a wide range of cybersecurity principles and applications.

ORGANIZATIONS

Texas A&M Esports	2021-Current
Aggie Coding Club	2019-2020
Aggie Competitive Programming Club	2019-2020
Texas A&M Cyber Security Club	2019-2020

LINKS

Website:// **michaelmckinsey1.github.io**
Email:// **michaelmckinsey1@gmail.com**
LinkedIn:// **michaelmckinsey2000**
Github:// **MichaelMcKinsey1**