

Michael McKinsey

EDUCATION

TEXAS A&M UNIVERSITY

B.S. IN COMPUTER SCIENCE

Minor in Mathematics

May 2022 | College Station, TX

College of Engineering

GPA: 3.82 / 4.0

COURSEWORK

UNDERGRADUATE

2022 FALL

Artificial Intelligence

Parallel Computing

Communications & Cryptography

2021 SPRING

Operating Systems

Design & Analysis of Algorithms

Machine Learning

2020 FALL

Intro to Computer Systems

Programming Studio

2020 SPRING

Data Structures & Algorithms

Programming Languages

Computer Organization

2019 FALL

Program Design

Discrete Structures

SKILLS

LANGUAGES

C++ • Python • Java

Bash • SQL • HCL

JavaScript • HTML • CSS

TOOLS

Airflow • Amundsen • CircleCI

Docker • Elasticsearch • 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

Aggie Coding Club	2019-Current
Aggie Competitive Programming Club	2019-Current
Google Developer Student Club	2020-Current
Texas A&M Cyber Security Club	2019-2020

LINKS

Website:// michaelmckinsey1.github.io

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Github:// MichaelMcKinsey1