

# 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

Data Structures & Algorithms

#### MATH

Engr. Calculus I-III

Comm. and Cryptography I & II

Discrete Mathematics

Linear Algebra

Differential Equations

## SKILLS

### LANGUAGES

C++ • Python • Java

Bash • SQL • HCL

JavaScript • HTML • CSS

### TOOLS

AI/ML

Keras • Scikit-learn

Parallel

CUDA • MPI • OMP

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: [michaelmckinsey.net](https://michaelmckinsey.net)

Email: [michaelmckinsey1@gmail.com](mailto:michaelmckinsey1@gmail.com)

LinkedIn: [michaelmckinsey2000](#)

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