

Michael McKinsey

EDUCATION

TEXAS A&M UNIVERSITY

M.S. IN COMPUTER SCIENCE

December 2024 | College Station, TX
GPA: 3.8 / 4.0

TEXAS A&M UNIVERSITY

B.S. IN COMPUTER SCIENCE

Minor in Mathematics

May 2022 | College Station, TX
GPA: 3.8 / 4.0

COURSEWORK

GRADUATE

ML

Deep Learning
Deep Reinforcement Learning
Large-scale Optimization for ML

CS

Computer Architecture
Theory of Computability

STAT

Distribution Theory
Regression Analysis

UNDERGRADUATE

ML

Machine Learning
Artificial Intelligence

CS

Parallel Computing
Operating Systems
Analysis of Algorithms
Data Structures & Algorithms

MATH

Linear Algebra
Discrete Mathematics
Calculus I-III
Comm. and Cryptography I & II
Differential Equations

SKILLS

LANGUAGES

Python • C++

TOOLS

AI/ML - PyTorch, Scikit-Learn
Data - Airflow, GCP, NumPy, Pandas,
Snowflake, Terraform
HPC - CUDA, MPI
Misc. - Git, Docker, Linux

EXPERIENCE

RESEARCH

LLNL | PAVE | [THICKET](#)

- Graduate Student Intern | January 2022 - Current

ACADEMIC

TEXAS A&M UNIVERSITY | COMPUTER SCIENCE AND ENGINEERING

- Teaching Assistant | August 2022 - December 2022
- Teaching Assistant | August 2023 - December 2023

INDUSTRY

WORKRISE | ENGINEERING ENABLEMENT | [TONIC PROJECT](#)

- Software Engineering Intern | June 2021 - August 2021

WORKRISE | DATA ENGINEERING | [AMUNDSEN PROJECT](#)

- Software Engineering Intern | June 2020 - August 2020

CYBERSECURITY

TEXAS A&M UNIVERSITY | IT SECURITY OPERATIONS | [CAP PROGRAM](#)

- Senior Student Security Analyst | September 2019 – June 2020
- Student Security Analyst | January 2019 - September 2019

PUBLICATIONS

- [1] **Michael McKinsey**, Stephanie Brink, and Olga Pearce. "Using Parallel Performance Data to Classify Parallel Algorithms". In: *Proceedings of the 15th International Conference on Parallel Processing & Applied Mathematics*. PPAM '24. 2024.
- [2] Stephanie Brink, **Michael McKinsey**, David Boehme, Connor Scully-Allison, Ian Lumsden, Daryl Hawkins, Treece Burgess, Vanessa Lama, Jakob Lüttgau, Katherine E. Isaacs, Michela Taufer, and Olga Pearce. "Thicket: Seeing the Performance Experiment Forest for the Individual Run Trees". In: *Proceedings of the 32nd International Symposium on High-Performance Parallel and Distributed Computing*. HPDC '23. 2023.

CONFERENCES

- 2024 - SC24 Student Volunteer
- 2022 - SC22 Student Volunteer

LINKS

Email: michaelmckinsey1@gmail.com

Github: [MichaelMcKinsey1](#)

LinkedIn: [michaelmckinsey2000](#)

Twitter: [MichaelMcKins](#)

Website: michaelmckinsey.net

WEBSITE QR CODE

