

Michelle Kelman

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EDUCATION

The University of Texas at Dallas, Richardson, TX

August 2024

Master of Science in Computer Science

Data Sciences Track

The University of Texas at Dallas, Richardson, TX

May 2023

Bachelor of Science in Computer Science

CERTIFICATIONS

- Amazon Web Services Certified Solutions Architect *October 2023*
- Amazon Web Services Certified Cloud Practitioner *May 2021, October 2023*

SKILLS

- **Programming languages:** Java, Python, C++, C, JavaScript, HTML, CSS, SQL
- **Tools and Frameworks:** Git, GitHub, AWS S3, AWS EC2, AWS EMR, AWS EventBridge, AWS Lambda, AWS CloudFront, PyTorch, Keras, Spark, Dask, Hadoop, MapReduce, NodeJS, ExpressJS, React, MongoDB, MySQL
- **Familiar languages:** English, Spanish, Russian

WORK EXPERIENCE

- **Capital One – Senior Software Engineer Associate** *January 2025 – Present*
- **Capital One – Software Engineer Associate** *August 2023 – January 2025*
 - Designed APIs for internal and customer-facing identity and access management using cloud and ReBAC
 - Provisioned a secure content delivery network for customer facing static websites using AWS and Jenkins
 - Supported over 200 new graduate employees as Learning and Development committee lead
- **Capital One – Software Engineer Intern** *June 2022 – August 2022*
 - Provisioned a custom distributed charCNN machine learning model with Dask and PyTorch
 - Implemented out-of-memory data loading from Snowflake to AWS S3 using SQL, Dask, and CUDA
 - Researched bigger-than-memory computations in collaboration with other interns and management
- **National Autism Association of North Texas – Website Manager** *March 2021 – May 2023*
 - Maintained website including newsletter, calendar, and blog
 - Acquired quarterly articles and presentations related to the special needs community
 - Generated new ideas related to technology and media to improve outreach
- **Math and SAT/ACT Tutor** *January 2020 – May 2023*
 - Assessed strengths, weaknesses, and learning styles of students to effectively write curriculum
 - Strengthened students' understanding of relevant topics, including advanced test taking strategies
 - Motivated students to learn through engaging lessons and positive learning environments

VOLUNTEER EXPERIENCE

- **National Autism Association of North Texas** *August 2015 – Present*
 - Facilitated Autism Social Groups with 10 individuals with disabilities
 - Assisted with setup and organization of informational meetings and organization events
 - Supervised 30+ volunteers at events with over 100 people

HONORS AND AWARDS

- **Summa Cum Laude Graduate** *Spring 2023*
- **Computing Scholars Honors Program – UTD** *Fall 2020 – Spring 2023*
- **UTD Axxess Scholarship Recipient** *Fall 2021*
- **Dean's List – UTD Office of Undergraduate Education** *Spring 2021, Fall 2021, Spring 2022, Spring 2023*