

Kyle Mrosko

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Education

Texas A&M University

College Station, TX

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, CYBERSECURITY MINOR

Graduation: May 2023

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS, STATISTICS MINOR

GPA 4.0/4.0

Honors Computer Science Honors, Bill Haynes Scholarship (\$60k), Presidential Scholarship (\$13k)

Coursework Software Engineering, Advanced Algorithms, Artificial Intelligence, Cloud Computing, Machine Learning, Cryptography

Experience

Chevron

Houston, TX

SOFTWARE ENGINEER INTERN

May 2022 - August 2022

- Developing custom API endpoints for the Global Wells Platform to deliver drilling information from data products

Chevron

Houston, TX

SOFTWARE ENGINEER INTERN

May 2021 - August 2021

- Oversaw governing of 50+ million data assets such as searching, relations, meta data, quality, and sensitivity
- Developed **Service Bus** triggered **C# Azure Functions** to dynamically detect and scan new data
- This process of optimized data scanning saves approximately \$300,000 per year
- Delivered feedback to Microsoft on **Azure Purview**: a data catalog tool in private preview

Chevron

Houston, TX

DATA ENGINEER INTERN

May 2020 - August 2020

- Developed custom data pipelines in **C#** to transfer subsurface data to the cloud
- Delivered custom web application to track cloud data transfer progress and errors in detail
- Added many API endpoints that leverage a caching system to immediately deliver cloud data to user requests
- Created custom **Power BI** connector using **Power Query SDK** to visualize 150,000+ data artifacts
- Collaborated with **Open Subsurface Data Universe**, an effort between major cloud providers & energy companies

Texas A&M Engineering College

College Station, TX

PEER TEACHER

August 2020 - December 2022

- Teach, assist, and grade 400+ students learning how to apply **Python** to practical engineering problems

Skills

Languages C++ - C# - Python - Ruby on Rails - Java - PostgreSQL - R - HTML - CSS - Javascript - Scheme

Tools Git - Azure - Postman - Agile/Scrum - AWS - Power BI - Docker - LaTeX - Unix

Projects

TAMU American Society of Landscape Architects Club Tracker

Ruby on Rails, PostgreSQL, AWS, GCP, Agile/Scrum

- Full stack web application developed in **Ruby on Rails** currently used by 150+ club members & industry partners
- Implemented login using **Google OAuth** and integrated **AWS Bucket storage** with app hosted **PostgreSQL** database
- Developed project scope and managed customer relationships and expectations as the team's Product Owner

Propositional Logic Parser & Resolution Prover

C++11

- Parses a knowledge base of logical statements in conjunctive normal form in order to intelligently prove facts
- Currently being used in my undergraduate thesis research to expand the resolution proving to modal logics