Matthew Munns

770-710-2162 ⋄ matthewmunns0@gmail.com

EDUCATION

Georgia Institute of Technology *January 2019 - May 2020*
Masters of Science in Statistics

Georgia Institute of Technology *August 2014 - December 2018*
Bachelors of Science in Industrial and Systems Engineering   Highest Honors (Major GPA: 3.70)

EXPERIENCE

Layr March 2020 - Present
Software Engineer, Machine Learning and Backend

· Built service to extract data from insurance documents, reducing document processing time and manual effort
· Service is capable of processing batches of documents in parallel and is deployed to AWS Lambda, using CloudFormation, S3, DynamoDB and API Gateway
· Built NLP service to review and process customer requests using spaCy, Flask, Docker and AWS ECS
· Implemented hierarchical clustering algorithm to cluster business using mixed categorical and continuous features, leveraging scikit-learn and other clustering packages
· Responsible for end-to-end implementation of services, including machine learning modeling, creating CI/CD pipelines in CircleCI, and managing DevOps in AWS

United Technologies Corporation (Part Time Contractor) September 2019 - May 2020
Automation Engineer

· Developed automated integration tests of machine learning platform and API using Python and Behave
· Worked with QA team to define and write BDD tests in Gherkin

The Home Depot Summer 2019
Pricing Analytics Intern

· Used machine learning and statistical methodologies to analyze effectiveness of market interventions
· Developed Python script to aid in the application of the analysis technique to new data sets

Micron Technology Summer 2018
Industrial Engineering Intern

· Created a website for internal use to generate PowerPoint presentations from database information, saving the IE Planning department 300+ hours yearly
· Used Flask and SQLAlchemy for the back-end and created visualizations using Pandas and matplotlib
· Launched site successfully using Docker and OpenShift and presented working final product to leadership

SKILLS

Languages	Python, SQL, R,
Tools and Frameworks	AWS, Flask, Docker, docker-compose, CircleCI, spaCy, Pandas, scikit-learn

PERSONAL

Member of the Georgia Tech Track and Field and Cross Country teams from 2014-2018, 5000m time in the top 5 in school history

Interested in basketball (Go Hawks!), pro Track and Field, reading