

Muhammed Ahmed

mahmed13.github.io | msa65652@gmail.com | +1-404-889-3045

EDUCATION

UNIVERSITY OF GEORGIA

BS IN COMPUTER SCIENCE

EMPHASIS: APPLIED DATA SCIENCE

AI PATHWAY

Dec 2018 | Athens, GA

Cumulative GPA: 3.7 / 4.0

CERTIFICATES

UNIVERSITY OF GEORGIA

APPLIED DATA SCIENCE

UNIVERSITY OF CALIFORNIA, BERKELEY

FULL STACK DEEP LEARNING

LINKS

Personal:// mahmed13.github.io

LinkedIn:// [mahmed13](#)

Github:// [mahmed13](#)

Devpost:// [muhammedahmed](#)

COURSEWORK

UNDERGRADUATE

Data Science I

Data Science II

Directed Study (*Deep Learning*)

Differential Privacy

Database Management

Linear Algebra

Scientific Computing

Derivative Calculus

Integral Calculus

Software Development

Programming Principles

Applied Statistics

SKILLS

LANGUAGES

Over 10000 lines:

Python • SQL • Java

Over 5000 lines:

UNIX • C++ • \LaTeX •

Swift • R

FRAMEWORKS

Jupyter Notebooks • Pandas • Numpy •

Scikit-Learn • Google Cloud Platform •

TensorFlow • Keras • GitHub

EXPERIENCE

MAILCHIMP | DATA SCIENTIST

Jan 2019 | Atlanta, GA

Design, build, and maintain data science products including multi-channel attribution, customer benchmarking, and assigning customer personas.

MAILCHIMP | DATA SCIENCE INTERN

May 2018 – Dec 2018 | Atlanta, GA

- Subscriber engagement scoring system guided by my research, statistical analyses, and user-defined use cases. Shipped to 14+ million active users.
- Probabilistic e-commerce model derived from estimated customer lifetime value. Shipped to 60,000+ active e-commerce users.

RESEARCH

QUINN RESEARCH GROUP | MACHINE LEARNING RESEARCHER

Nov 2017 – Dec 2018 | Athens, GA

Designed and built a deep reinforcement learning system that forecasts asset prices over discrete time periods then executes trades programatically. Simulated a 32x return over backtested periods between 2015-2016.

LEADERSHIP

DEEP LEARNING @ UGA | VICE PRESIDENT

Feb 2018 – Dec 2018 | Athens, GA

- Identified and booked speakers with impressive work in deep learning.
- Expanded our outreach to other interest/research groups.
- Doubled our meeting attendance in a single semester.

UGA MEN'S RUGBY CLUB | SOCIAL CHAIR

Feb 2018 – Dec 2018 | Athens, GA

- Event planning and overseeing all social gatherings instrumental to team bonding, motivation, and success.
- Raising capital for events from our sizable alumni association.
- Coordinating with opposing collegiate teams for post-match socials.

PROJECTS

FANTASY SPORTS PREDICTIVE MODELS

May 2017 – Jul 2018

Worked with domain specialists to create a predictive model for outputting optimal fantasy football and basketball line-ups. Trained RNNs and ensemble learners on over 200GB of historical data. Our resulting RMSE outperformed paid services like [FantasyPros.com](#).

AWARDS

| | | |
|----------|----------|----------------------------|
| Oct 2018 | Winner | Search API Challenge |
| Sep 2018 | Finalist | Top 30 Hack |
| Feb 2018 | Winner | Google Assistant Challenge |
| Feb 2018 | Winner | Uber Data Challenge |

Harvard University, HackHarvard
University of Pennsylvania, PennApps
University of Georgia, UGAHacks
University of Georgia, UGAHacks