

Muhammed Ahmed

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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