

# Ahmed Muhammad

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## EDUCATION

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### Southern Methodist University

May 2021

*Economics B.A., Applied Mathematics B.S., Statistical Sciences B.S., English B.A. Hons.*

**GPA: 3.56**

**Notable Coursework:** Financial & Managerial Accounting, Econometric Forecasting, Price Theory, Advanced Scientific Computing, Linear Algebra, Calculus III, Applications of R, Mathematical Modeling, Modeling with Dynamic Systems

## EXPERIENCE

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### The Guldi Lab at SMU, Dallas, TX

May 2020 – July 2020

*Researcher*

- Detailed application of probability-based theories from the history of parliament
- Applied text mining and machine learning methods to research efficiently and reach accurate conclusions
- Automated 100+ visualizations of raw data to quantitatively argue otherwise abstract historical claims

### The ATLAS Experiment at SMU, Dallas, TX

August 2018 – August 2019

*Research Assistant*

- Received Hamilton Scholarship to conduct the ATLAS experiment on the Large Hadron Collider in Switzerland
- Budgeted \$1M+ for the acquisition of optoelectronic equipment and applied R to forecast future costs
- Drafted and edited SMU's internationally reviewed paper regarding experimental procedures and results

### R- Tech Solutions, Irving, TX

May 2018 – December 2018

*Summer Analyst*

- Built customized, cloud-based ERP suites that delivered strategized solutions
- Developed and presented financial reporting to clients using Excel to close \$400,000+ in new contracts
- Constructed Bank Ledgers, P/L sheets, G/L, I/S, B/S, and organizational structure reports to service 30+ clients
- Applied accounting practices to evaluate relationships between buyer prices, equipment costs, and scrap rates

## LEADERSHIP AND ACTIVITIES

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**Omicron Delta Epsilon**, Member

August 2020 – Present

**Amnesty International SMU**, VP of Accounts

August 2020 – Present

**English Honors Distinction—Research Paper**, Author

August 2020 – Present

**Lone Star Council**, Treasurer

May 2020 – Present

**Protectors of the Ummah**, Co-Author

August 2019 – Present

**Rising Negligence**, Author

January 2019 – Present

**Hamilton Scholarship Recipient**, Southern Methodist University

August 2018 – Present

**HUGO Magazine**, Co-Editor-in-Chief

January 2019 – August 2020

**Muslim Student Association SMU**, Treasurer

August 2018 – December 2020

**Economic Growth Models Using AI—Research Paper**, Author

August 2017 – December 2019

**Western Political Ethics—Research Paper**, Author

March 2017 – May 2017

## TECHNICAL SKILLS

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Languages: Proficient in Urdu, Spanish, Hindi, and Arabic

Skills: R, Excel, SAS, Forensic Accounting, Java, Data Mining/Reconfiguration, SQL, Research, and Writing

Eligibility: Eligible to work in the U.S with no restrictions