

SETH AGEE

INSTRUCTOR OF MATHEMATICS

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STATEMENT

Mathematician at heart looking to apply deep knowledge to interesting and difficult problems. Highly motivated to learn new skills and begin new career in engineering. Already in possession of many desirable technological abilities and unlimited potential for growth. Works well with others and looking forward to becoming part of the team!

EDUCATION

Master of Science (MS) in Mathematics

Tennessee Technological University 2019 – 2021

- Research involved probability and statistics, stochastic processes, and financial mathematics
- Graduated with 4.0 GPA

Bachelor of Science (BS) in Mathematics

Minor in Computer Science

Tennessee Technological University 2015 – 2019

- Coursework in data structures and algorithms, databases, applied statistics, introduction to data science
- Graduated cum laude

EXPERIENCE

Instructor of Mathematics

Tennessee Technological University 2021 – Present

- Taught up to 180 students per semester in subjects such as introductory statistics, college algebra, and pre-calculus
- Delegated work to two graduate teaching assistants

Graduate Teaching Assistant

Tennessee Technological University 2019 – 2021

- Taught two semesters of introductory statistics

RESEARCH, PROJECTS, ETC.

Master's Thesis

- Using probability and stochastic processes, derived then generalized the Black-Scholes options pricing model

Personal Website

- Used Jekyll and GitHub pages to create a personal website to showcase research, projects, and skills

Undergraduate Statistical Research Poster

- First place Mathematics poster in 2019 Research and Creative Inquiry Day

WEBSITE



LANGUAGES

- Python
- R
- LaTeX
- SQL
- C/C++

EXPERIENCE WITH

- Markov chain Monte Carlo
- Statistical modeling, inference, estimation
- Bayesian statistics
- Exploratory data analysis
- Linear regression
- Logistic regression
- Neural networks
- Clustering and KNN
- Principal component analysis

OTHER SKILLS

- Ability to communicate complex ideas to non-technical audience
- Public speaking
- Eager to learn
- Great collaborator
- Calm in high stress work environment