

SETH AGEE

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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), Mathematics Tennessee Technological University, Cookeville	<i>August 2019 - May 2021</i> GPA: 4.0
Bachelor of Science (BS), Mathematics Minor in Computer Science Tennessee Technological University, Cookeville	<i>August 2015 - May 2019</i> GPA: 3.52

EXPERIENCE

Instructor of Mathematics Taught up to 180 students per semester in subjects such as statistics, algebra, and pre-calculus; delegated work to two graduate teaching assistants.	<i>August 2021 - Present</i>
Graduate Teaching Assistant Taught two semesters of statistics.	<i>August 2019 - May 2021</i>

RESEARCH AND PROJECTS

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.

SKILLS

Languages	C++, Python, R, LaTeX, SQL
Mathematics	Linear algebra, probability and stochastic processes, real and functional analysis
Statistics	Modeling and inference, Markov chain Monte Carlo, Bayesian statistics
Machine Learning	Logistic and linear regression, clustering and KNN, neural networks (NN)
Version Control	GitHub
Soft Skills	Great communicator, collaborator, and student