Curriculum Vitae

Jeremy Shahan

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Education
Master of Science, Mathematics, Louisiana State University
Bachelor of Science, Mathematics, Oregon State University
Currently working toward a PhD in Mathematics at Louisiana State University under Professor Shawn Walker

Academic Employment
Graduate Assistantship, Louisiana State University, August 2019 - Present
Courses Taught: Problem Lab in Real Analysis, Calculus, College Algebra
TA for Courses: Graduate Level Real Analysis, Business Calculus
Teacher's Assistant, Oregon State University, September 2018 - March 2019
TA for Linear Algebra II

Research/Teaching Areas of Interest
Interested in researching Applied Mathematics, Numerical Analysis/Approximations, the Finite Element Method, Linear Nonlinear Optimization/Control, Shape Optimization, Applied PDEs
Interested in teaching Linear Algebra, Numerical Linear Algebra, Discrete Mathematics

Professional Employment
Software Internship at EDT (Engineering Design Team)
Worked with artificial intelligence on the Nvidia Jetson Nano platform. Trained a neural network to recognize and classify images.
Also worked on digital signal processing with the TACWRAP Vita 49 and uWrap Vita 49 to record and project FM broadcastings.

Academic Awards
Louisiana State University 2022 Arthur K. Barton Superior Graduate Student Scholarship in Mathematics
Oregon State University 2019 Edward H. Stockwell Award - for excellence in mathematics

Technical Skills
Familiar with the programming languages Matlab, Python, C++, C, and Javascript
Have experience with Digital Signal Processing

Positions Held
President of the LSU SIAM student chapter