JEREMY THOMAS SHAHAN

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OBJECTIVE

My long term goal is to go into industry studying optimization and work as a software engineer. I also really enjoy teaching and would love to teach at a community college. I enjoy learning about mathematics and collaborating with my peers. For now, I am furthering my education and experience as a graduate student.

EDUCATION

Louisiana State University   //   Fall 2020 - present
- Obtained masters at Louisiana State University
- Working with Professor Shawn Walker on Modeling Liquid Crystals with the Finite Element Method using Optimal Controls for my dissertation

Oregon State University   //   Fall 2017 - Spring 2020
- Graduated from Oregon State University with an Applied and Computational Mathematics major and Computer Science minor.
- Notable Classes: Numerical Linear Algebra, Numerical Solutions to Ordinary Differential Equations, Numerical Solutions to Partial Differential Equations, and Abstract Linear Algebra

SKILLS

- Programming Languages: C, C++, R, Python, Matlab, and Javascript

EXPERIENCE

IMA Math to Industry Boot Camp   //   June 2023 - July 2023
- Deployed a Python app that searches through commerce database using multimodal searches using images and text queries for Ebay.

Software Internship   //   June 2019 - September 2019
- Worked with Pytorch on the Nvidia Jetson Nano to train a neural network that can classify images
- Processed recordings of the FM radio band in order to tune into a station and play what was recorded through a speaker.

TA for Graduate Level Real Analysis   //   September 2018 - March 2019
- Graded and helped teach graduate level real analysis
- Taught graduate students over the summer

HONORS/AWARDS/POSITIONS HELD

- President of SIAM chapter at LSU
- OSU 2019 Edward H. Stockwell Award for Excellence in Mathematics
- OSU Finley Academic Scholarship, Scottish Rite Scholarship