

curriculum vitae

alexander delise

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Department of Mathematics
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Research Interests

Operations research, industrial engineering, optimization, data science & big data, numerical analysis & scientific computing, inverse problems, numerical linear algebra, quantum information science

Education

- 2023–2027 B.S. in Computational Science, Florida State University, Tallahassee, FL
Honors in the Major Thesis
Advisor: *Dr. Nick Dexter*
- 2023–2027 B.S. in Applied and Computational Mathematics, Florida State University, Tallahassee, FL

Awards & Recognitions

- 2023–2027 Honors Program, Florida State University
- 2023–2027 Presidential Scholarship, Florida State University
- 2023–2027 Vires Scholarship, Florida State University
- 2023–2027 Academic Scholarship, Florida Bright Futures

Publications

- Submitted Work
- Conference Proceedings
- Theses

Presentations

- Poster Presentations
- Apr 2025 Data-Driven Patient Allocation Optimization with Epidemic and Vaccine Modeling, *25th Annual Undergraduate Research Symposium*, Florida State University, Tallahassee, FL
- Feb 2025 Data-Driven Patient Allocation Optimization with Epidemic and Vaccine Modeling, *Florida Undergraduate Research Conference*, University of South Florida, Tampa, FL

- Jan 2025 Learning Feasible States with ma-QAOA and QAOA for Constrained Optimization, *AMS-PME Student Poster Session, Joint Mathematics Meetings*, Seattle, WA
- Jul 2024 Learning Feasible States with ma-QAOA and QAOA for Constrained Optimization, *UTK Summer Research Symposium*, University of Tennessee, Knoxville, TN
- Apr 2024 Cost-Effective Location Allocation for COVID-19 Patient Assignment in Florida: A Data-Driven Approach, *24th Annual Undergraduate Research Symposium*, Florida State University, Tallahassee, FL

Service to the Profession

- Aug 2023–Present Pi Mu Epsilon Mathematics Honor Society (PME)
President (2025–2026); Vice President (2024–2025); Member (2023–2024)
- Jan 2024–Present Society for Industrial and Applied Mathematics (SIAM)
Member (2024–Present)
- Mar 2025 SIAM Pi-K Race Participant
- Feb 2025 FSU Math Fun Day Volunteer
- Nov 2024 FSU Integration Bee Participant
- Feb 2024 FSU Math Fun Day Volunteer
- Nov 2023 FSU Integration Bee Volunteer