

# GABRIEL GRIFFIN

gabrielgriffin@ou.edu • 405-317-0807 • Norman, Oklahoma • <https://glgriffin.github.io/>

## EDUCATION

**B.S., Industrial and Systems Engineering (Honors); Minor in Mathematics** May 2027  
**The University of Oklahoma | Norman, Oklahoma**  
• GPA: 4.0/4.0

## EXPERIENCE

**Undergraduate Research Assistant** Sep 2025 - Present  
**University of Oklahoma; NetSys Research Lab | Norman, OK**  
• **Conducted analysis** of airline networks resiliency using DMD

**Undergraduate Researcher** May 2025 - Jul 2025  
**Clemson Industrial Engineering; Tucker Research Group | Clemson, SC**  
• **Conducted** research into regret of facility decision making applied to parks in Greenville County, SC  
• **Modeled** Decision-making context between Park Planners and recommendations  
• **Learned** and **Applied** methods of solving Mixed Integer and Bi-Level models in Gurobipy  
• **Worked** closely with others over an extended period in a research project

## PUBLICATIONS

### Conference Proceedings (Reviewed)

Forthcoming - Accepted for Publication

1. **Griffin, GL**, Fletcher, A., Goto, DN, Sabogal De La Pava, M., Jahan Beikloo, M., White, D., Tucker, EL, "Optimizing Park Locations with Imperfect Information" IISE Annual Conference & Expo (May 2026)

## PRESENTATIONS

### Posters

1. Fletcher, A., **Griffin, GL**, Goto, DN, White, D., Sabogal De La Pava, M., Jahan Beikloo, M., Tucker, EL, "Mapping Need: Geospatial Analysis for Optimizing Park Access." Poster presented at CalGIS 2026, Redlands, CA, (Jan. 2026).
2. **Griffin, GL**, Fletcher, A., Goto, DN, Sabogal De La Pava, M., Jahan Beikloo, M., White, D., Tucker, EL, "Methods for Modeling Regret of Parameterization Choices", Poster presented at Undergraduate Research Poster Symposium, Clemson Creative Inquiry & Undergraduate Research, Clemson, SC. (Jul. 2025)
3. Goto, DN, Fletcher, A., **Griffin, GL**, Sabogal De La Pava, M., Tucker, EL, "Mathematical Generalization for Optimization Modeling", Poster presented at Undergraduate Research Poster Symposium, Clemson Creative Inquiry & Undergraduate Research, Clemson, SC. (Jul. 2025)
4. Fletcher, A., White, D., **Griffin, GL**, Goto, DN, Sabogal De La Pava, M., Tucker, EL "Mapping Need: Geospatial Data Analysis for Optimizing Park Access", Poster presented at Undergraduate Research Poster Symposium, Clemson Creative Inquiry & Undergraduate Research, Clemson, SC. (Jul. 2025)

### Other

1. **Griffin, GL**, Fletcher, A., Goto, DN, Sabogal De La Pava, M., Jahan Beikloo, M., White, D., Tucker, EL, H-CORE REU Site Final Presentations, "Approaches to Consider Index Regret for Park Location Decisions", Department of Industrial Engineering, Clemson University, Clemson SC. (Jul. 2025)

## RELEVANT COURSEWORK

**Probabilistic Systems Modeling** Jan 2026 - May 2026  
Problem solving using stochastic models: theory, methodology, and application. Topics include:  
• Basic Probability  
• Probabilistic Inventory Models

- Decision Analysis
- Markov Chains
- Queuing Systems

**Network Optimization**

Jan 2026 - May 2026

- PhD - Level Course
- Formulating and solving decision-making models with an underlying network structure
- Explore decision-making problems with no resemblance to networks

**Data Driven Decision Making**

Aug 2025 - Dec 2025

- Variance models for single-factor designs and multi-factor designs
- Linear and logistic regression models, forecasting methods
- Computer-based statistical analysis packages, namely Excel, SAS, R, and Minitab

**Deterministic System Modeling**

Aug 2025 - Dec 2025

- Linear and Integer Programming
- Solving Techniques using Python

**MEMBERSHIPS / AFFILIATIONS**

**Treasurer**

Aug 2025 - Present

**Oklahoma Institute of Industrial & Systems Engineers (IISE) Chapter**

**Member**

**Tau Beta Pi - Oklahoma Alpha Chapter**

**Member**

**Alpha Pi Mu - University of Oklahoma Chapter**

**HONORS & AWARDS**

**Goldwater Scholarship Nomination**

Dec 2025

**University of Oklahoma**

Selected from pool of applicants to receive OU's nomination for the prestigious national Goldwater Scholarship based on the quality of my research.

Attests to my ability to create quality reports based on technical work at a level recognized by OU Faculty.

**Joseph R. McClure Scholarship**

Apr 2025

**OU School of Industrial and Systems Engineering**

**President's Honor Roll**

**University of Oklahoma**

- Fall 2024
- Spring 2025
- Fall 2025

**CERTIFICATIONS & LICENSES**

**Responsible Conduct of Research - 69668691**

May 2025

**CITI Program**

**Lean Six Sigma Yellow Belt**

May 2024

**University of Oklahoma**

- Background, Basic principles, Elements, and Primary application of Lean and Six Sigma

**Human Subjects Protections - 69668690**

May 2025 - May 2027

**CITI Program**