

Noe Reyes Rivas

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Education

Brown University

PH.D. IN APPLIED MATHEMATICS

Providence, RI

2028

Andrews University

B.S. IN MATHEMATICS

Berrien Springs, MI

2023

Skills

COMPUTER LANGUAGES Proficient in programming in shell scripting, C++, Python, MATLAB. Experience in R, MFEM, and MPI. Proficient in deep learning frameworks including PyTorch and TensorFlow.

SPOKEN LANGUAGES Fluent in English and Spanish. Basic reading and comprehension in Portuguese and French.

MATHEMATICAL SKILLS Experience in numerical methods for PDEs, scientific computing, machine learning, and data analysis.

Research

- Bihler, M., Nelson, H., Okey, E., Reyes Rivas, N., Webb, J., and White, A. *Modeling Supply and Demand in Public Transportation Systems*. 2023. arXiv: 2309.06299 [cs.LG].
- Bosman, A., Green, J., Palacios, G., Reyes, M., and Reyes, N. *The delta-unlinking number of algebraically split links*. 2021. arXiv: 2107.06791 [math.GT].

Awards

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|------|--|-------------|
| 2025 | USNCCM18 , Best Student Poster Award | Chicago, IL |
| 2021 | MathFest , Outstanding Student Paper Session Presentation Award | Virtual |

Presentations and Talks

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| 2026 | IOS2026 , INFORMS Optimization Society | Atlanta, GA |
| 2026 | USACM , USACM Student Chapter Seminar Series | Virtual |
| 2025 | Brown University , Applied Mathematics Seminar | Providence, RI |
| 2025 | USNCCM18 , US National Congress on Computational Mechanics | Chicago, IL |
| 2023 | JMM , Joint Mathematics Meeting | Boston, MA |
| 2022 | Andrews University , Celebration of Research | Berrien Springs, MI |
| 2022 | Andrews University , Math/Physics Colloquium | Berrien Springs, MI |
| 2021 | Andrews University , Celebration of Research | Berrien Springs, MI |
| 2021 | Andrews University , Math/Physics Colloquium | Berrien Springs, MI |
| 2021 | MathFest , Mathematical Association of America | Virtual |