LARS NILSEN

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EDUCATION

Washington University in St. Louis   *August 2022 - May 2027 (ongoing)*
Ph.D. in Mathematics

Florida Gulf Coast University   *August 2016 - May 2021*
Bachelor in Mathematics
Minor in Physics

RESEARCH EXPERIENCE & PUBLICATION

Florida Gulf Coast   **January 2019 - May 2019**
Undergraduate Research

· Research Advisor: Erik Insko
· Published "A formula for enumerating permutations with a fixed pinnacle set" in *Discrete Mathematics.*
· Co-authored with Alexander Diaz-Lopez, Pamela E. Harris, Isabella Huang, and Erik Insko.
· Discrete Mathematics – https://doi.org/10.1016/j.disc.2021.112375
· Arxiv – https://arxiv.org/abs/2001.07325

RESEARCH INTERESTS

Combinatorics
Stochastic Dynamical Systems
Algebraic Geometry
Formalization

TALKS

Aspire Conference   **Florida Gulf Coast University**
– Gave a talk regarding research findings at the time.

Szegö Seminar   **Washington University in St. Louis, October 2023**
– Gave an expository talk regarding some applications of generating functions.

CONFERENCES & SUMMER SCHOOLS

Summer School: Formalization of Mathematics	**MSRI / SL Math 2023**
Conference: Partial Differential Equations and Complex Analysis	**WUSTL 2023**
Conference: Aspire	**FGCU**

TECHNICAL COMPETENCIES

Programming Languages

Python	**C / C++**
Lean4	**Maple**