

LOGAN M. RICHARD

Curriculum Vitae of March 23rd, 2024

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## EDUCATION

<b>B.S. in Mathematics</b> (Honors) <i>University of Louisiana at Lafayette (ULL)</i>	May 2023
<b>B.A. in English, Literature</b> (Honors) Minor: <b>Philosophy (36 hours)</b> <i>University of Louisiana at Lafayette (ULL)</i>	May 2023
<b>M.S. in Mathematics</b> <i>Oregon State University (OSU)</i>	<b>Expected 2025</b>

## RESEARCH INTERESTS

- Group Theory, Algebraic Topology, Logic, & anything new to me!

## PUBLICATIONS & DRAFTS

- **Submitted Draft:** “Decreasing paths of polygons,” (with Scott Whitman, Isaac Kulp, Dr. George Turcu, Dr. Leonel Robert Gonzalez, and Dr. Charlotte Ochanine), submitted for publication in *Discrete and Computational Geometry*. 2023.
- “Building homotheties through pinches,” (with Franziska Riepl, Dr. George Turcu, Dr. Leonel Robert Gonzalez, and Lucas Walls), *Linear and Multilinear Algebra*. 2021.  
<https://doi.org/10.1080/03081087.2021.1993124>

## TALKS & PRESENTATIONS

- “Decreasing paths of polygons,” Short Talk for *MathForAll* Conference on Math Education and Research, Oregon State University, Spring 2024.
- “Persistence at Eternity: Borges’s ‘The Immortal’ & the Philosophical Problem of Persistence,” Paper Presentation for ULL *Undergraduate Research Showcase*, University of Louisiana at Lafayette. Spring 2023.
- “Mathematics at ULL,” (with Bailey Meche), Invited Student Talk for *Science Day* at the University of Louisiana at Lafayette, Fall 2022.
- “On the Embedding Problem for Polygons, Polyhedra, & Beyond,” Poster Presentation for *MathForAll* Conference on Math Education and Research, Tulane University, Online Conference. Spring 2022.
- “Building Homotheties through Pinches,” (with Franziska Riepl and Lucas Walls), Poster Presentation for *MathForAll* Conference on Math Education and Research, Tulane University, Online Conference. Spring 2021.

## SCHOLARSHIPS & AWARDS

1. *ΦBK Patricia Kennedy Rickels Outstanding Undergraduate Award*, ULL Section of ΦBK, Spring 2023
2. *Departmental Award for Excellence in Philosophy*, Dept. History, Geography, and Philosophy, ULL, Spring 2023
3. *Owen Reamer Award for Excellence in English*, Dept. English, ULL, Spring 2023

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| 4. <i>David R. Andrew Endowed Scholarship in Mathematics</i> , College of Sciences, ULL | Fall 2022               |
| 5. <i>A.L. Barcelona Memorial Scholarship</i> , College of Liberal Arts, ULL            | Fall 2022               |
| 6. <i>I. Bruce Turner Scholarship</i> , College of Liberal Arts, ULL                    | Fall 2021               |
| 7. <i>A.L. Barcelona Memorial Scholarship</i> , College of Liberal Arts, ULL            | Fall 2021               |
| 8. <i>Gordon Rickels Scholarship</i> , Honors College, ULL                              | Fall 2020               |
| 9. <i>Gordon Rickels Scholarship</i> , Honors College, ULL                              | Spring 2019             |
| 10. TOPS Academic Scholar   | Fall 2018 - Spring 2022 |

## RELEVANT WORK EXPERIENCE

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| <p>1. <b>Graduate Teaching Assistant</b><br/> <i>Department of Mathematics, Oregon State University.</i><br/>         Leading multiple weekly recitation sections in differential calculus and holding frequent tutoring sessions.</p>  | Fall 2023 - Present     |
| <p>2. <b>Lead Tutor (20 hrs/week)</b><br/> <i>Student Support Services - Disability, University of Louisiana at Lafayette.</i><br/>         Tutoring of students with registered disabilities, creating presentation-style study-guides, peer-mentoring, and advisement of program tutors. Specialized in math (algebra, trigonometry, calculus), english (writing), and logic.</p>   | Fall 2020 - Spring 2023 |
| <p>3. <b>I. Bruce Turner Scholar Archiver</b><br/> <i>Edith Garland Dupre Library Special Collections, University of Louisiana at Lafayette.</i><br/>         Work (50 hrs. total) consisted of preparing a research collection for Special Collections at Edith Garland Dupre Library (ULL) using the notes and miscellany of environmentalist Jacob M. Valentine (organizing, refolding, reboxing, preparing extensive archival notes).</p> | Fall 2021 - Spring 2022 |