Rindra Razafy

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Github: github.com/razafy-rindra

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EMPLOYMENT

Undergrad research assistantship with Professor Matthew Satriano in algebraic geometry.	May-August 2020
Graduate Teaching Assistanship, University of Alberta.	September 2023-

EDUCATION

Bachelors of Mathematics, *University of Waterloo* $2016 - 2021$
Major:

    Honours Pure Mathematics,

    Joint Honours Combinatorics and Optimization

Masters of Science (Thes), *University of Alberta* $2023-$

    Mathematical and Statistical Sciences

INTEREST

Algebraic geometry, Moduli spaces, Differential geometry, Chaos theory, Combinatorial Game Theory, Programming Math.

PUBLICATIONS

David McKinnon, Rindra Razafy, Matthew Satriano, and Yuxuan Sun. On curves with high multiplicity on $\mathbb{P}(a, b, c)$ for $\min(a, b, c) \leq 4$. *New York Journal of Mathematics*, $(2021), 1060$–1084.

SCHOLARSHIPS AND AWARDS

2020	NSERC Undergraduate Student Research Award
2017	University of Waterloo President's Scholarship of Distinction

MATH AND PROGRAMMING PROJECTS

posted on my github
Notes and solutions on textbooks

- *"Algebra" third edition*, Serge Lang
- *"Real and Complex Analysis", third edition*, Walter Rudin

Notes on online lectures

- "Algebraic Geometry", Richard Borcherds (online Berkeley Math 256A Fall 2020 video lectures)
- "Rust Lang Book", Let's Get Rusty (Rust programming language book)

Coding mathematics in Rust

- Implementation of Monte Carlo integration in Rust
- Plotting fractals in Rust

OTHER SKILLS

- LaTeX
- Rust
- Python (beginner)
- C (beginner)

LANGUAGES

- English (fluent)
- French (fluent)
- Malagasy (working proficiency)