Bennett **Rennier**

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Employment

2024 – Now **Mathematics Teacher** *Hanazono High School*

- Taught Mathematics in English at a Japanese private school in Kyoto.

2022 – 2024 **Assistant Language Teacher** *Link Interac Inc.*

- Taught English at Japanese public schools through a dispatch company.
- Worked one year at a high school and one year at an elementary school.

2019 – 2021 **Mathematics Instructor** *University of Virginia*

- Taught Calculus classes at a well-respected university.
- Was given the freedom to teach with little supervision.
- Chose the textbook and designed my own curriculum.

Education

2018 – 2020 **Masters of Science in Mathematics** *University of Virginia*

GPA: 4.00. Excelled in advanced topics at the graduate level, including Probability Theory, Algebraic Combinatorics, Computer Algorithms, Homological Algebra, and Differential Topology.

2014 – 2018 **Bachelors of Science in Mathematics** *University of Oklahoma*

GPA: 3.89. Received an award for being the "most outstanding math major." Took courses on topics such as Linear Algebra, Object-Oriented Programming, Discrete Structures, Number Theory, and Graph Theory.

Accomplishments and Publications

- Built a **Gameboy Emulator** using the C programming language. I compiled the project into WebAssembly using Emscripten, so you can run it in your web browser without installing anything. You can check it out on my website (link at the top of the page).
- I designed and programmed a **mechanical keyboard**. I designed the frame, wired everything by hand, and programmed the micro-controller in C.
- Created a **popular Vim plugin** for quickly typing **LaTeX** code. The Github repository currently has over 100 stars and 15 forks.
- Wrote a **research paper** funded by the National Science Foundation on the classification of Leibniz Algebras. It was published in the Journal of Geometry and Physics.
- Designed a **novel graph algorithm** in Python for verifying the connectedness of moduli spaces. It was featured in a paper written by my friend Huy Dang and published in the Journal of Algebra.
- Passed the **Japanese Language Proficiency Test (Level N1)**. This exam is the highest level Japanese language test administered by the Japanese government.