





Bennett Uezu

 <http://uezu.dev/>
 Osaka, Japan
 070-8481-4321
 English、日本語 (Japanese)

Employment

- 2025 – Now **AI Data Analyst** *Handshake AI*
- Improved AI models by classifying and analyzing AI-generated images.
 - Conducted quality checks on data annotated by peers to ensure accuracy.
- 2024 – Now **High School Mathematics Teacher** *Hanazono High School*
- Taught Mathematics in English at a private school in central Kyoto.
 - Wrote my own curriculum on topics such as functions and writing proofs.
 - Served as an interpreter for foreign visitors, such as the University of Malta
- 2020 – 2022 **Backend Engineer (Startup Project)** *Emotional Matter*
- Startup project for helping user's track their long term mood.
 - Contributed to backend web development using Python, Flask, and MySQL.
 - Implemented user login functionality and SQL database integration.
- 2018 – 2021 **University Mathematics Instructor** *University of Virginia*
- Taught classes on Precalculus, Calculus, and Differential Equations.
 - Chose the textbook, designed my own curriculum, held office hours, etc.

Education

- 2018 – 2020 **Masters of Science in Mathematics** *University of Virginia*
- GPA: 4.00. Excelled in advanced topics at the graduate level, including Combinatorial Algorithms, Homological Algebra, and Algebraic Topology.
- 2014 – 2018 **Bachelors of Science in Mathematics** *University of Oklahoma*
- GPA: 3.89. Received an award for being the “most outstanding math major.” Studied topics such as Linear Algebra, Data Structures, and Graph Theory.

Accomplishments

- Built a **Gameboy Emulator** using the C programming language. I compiled the project into WebAssembly using Emscripten, so you check it out on my website (link at the top).
- Designed a **novel graph algorithm** in Python for verifying the connectedness of moduli spaces. It was featured in a paper by my friend Huy Dang in the Journal of Algebra.
- 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.