

# Bennett Uezu

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

## Employment

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2025 – Now	<b>AI Data Analyst</b>	<i>Handshake AI</i>
	<ul style="list-style-type: none"><li>• Improved AI models by classifying and analyzing AI-generated images.</li><li>• Conducted quality checks on data annotated by peers to ensure accuracy.</li></ul>	
2024 – Now	<b>High School Mathematics Teacher</b>	<i>Hanazono High School</i>
	<ul style="list-style-type: none"><li>• Taught Mathematics in English at a private school in central Kyoto.</li><li>• Wrote my own curriculum on topics such as functions and writing proofs.</li><li>• Served as an interpreter for foreign visitors, such as the University of Malta</li></ul>	
2020 – 2022	<b>Backend Engineer (Startup Project)</b>	<i>Emotional Matter</i>
	<ul style="list-style-type: none"><li>• Startup project for helping user's track their long term mood.</li><li>• Contributed to backend web development using Python, Flask, and MySQL.</li><li>• Implemented user login functionality and SQL database integration.</li></ul>	
2018 – 2021	<b>University Mathematics Instructor</b>	<i>University of Virginia</i>
	<ul style="list-style-type: none"><li>• Taught classes on Precalculus, Calculus, and Differential Equations.</li><li>• Chose the textbook, designed my own curriculum, held office hours, etc.</li></ul>	

## Education

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2018 – 2020	<b>Masters of Science in Mathematics</b>	<i>University of Virginia</i>
	GPA: 4.00. Excelled in advanced topics at the graduate level, including Combinatorial Algorithms, Homological Algebra, and Algebraic Topology.	
2014 – 2018	<b>Bachelors of Science in Mathematics</b>	<i>University of Oklahoma</i>
	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

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- 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.