

EXPERIENCE	Recurse Center - Participant	2023-present
	<ul style="list-style-type: none">– A self-directed retreat for programmers where I:<ul style="list-style-type: none">– Created my own projects (below), gave and received code review, and collaborated and pair-programmed daily with a vibrant community– Organized workshops on developer tooling, music software, and Accessibility– Gave theory talks on the Fourier transform and its applications– rhythmomics: interactive GUI visualizing the relationship between polyrhythms and harmony<ul style="list-style-type: none">– Written in Python using the pygame library, sound design from scratch– Designed, coded, and documented from scratch to be graphically intuitive, aesthetically pretty, and educational– waveformr (demo): GUI playground to shape soundwaves in time domain or frequency domain<ul style="list-style-type: none">– Developed with the React framework in JavaScript, using the WebAudio and WebMIDI APIs– Can draw arbitrary waveform in time domain or frequency domain to loop at arbitrary pitches (controllable by the GUI or a MIDI keyboard)	
ACADEMIC EXPERIENCE	PostDoc Radboud University, ERC-funded <i>COHUBICOL</i> Project	2020-2021
	<ul style="list-style-type: none">– Collaborated with Lawyers and Legal Philosophers to account for Machine Learning's effect on legal outcomes, legal decision-making, and on the Rule of Law– Explained Machine Learning concepts and paradigms to this non-technical audience and collaborated to create vocabularies for ML in the legal system	
	PhD UC Berkeley, <i>Computer Science</i>	2014-2020
	<ul style="list-style-type: none">– Organized workshops and presented my research that achieved new results in Learning Algorithms, Cryptography, and Pseudorandomness, published in my field's top conferences– Presented my work at Theory seminars at MIT, Stanford, UCSD, etc., and collaborated with professors and students there to publish new results	
	BA CSU Sacramento, <i>Math & Computer Science, minor in Statistics</i>	2009-2014
	<ul style="list-style-type: none">– Coursework primarily in Java, with specialized courses focusing on, e.g., C, Octave/MATLAB, R, and Scheme– Graduated with Highest Honors, Commencement Speaker	
TEACHING AND OUTREACH	<p>Extensive teaching and outreach across a wide range of age groups and levels of expertise, for example:</p> <ul style="list-style-type: none">– Teaching graduate Cryptography, upper division Ethics in Engineering, and Computability and Complexity Theory at UC Berkeley– Taught high schoolers an Introduction to Python course, a course on Zero-Knowledge Proofs, and Dinner With a Scientist program for Oakland K-12 schools– Prominently featured in a short film explaining Complexity Theory to a lay audience	