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Christian Cardozo

Lecturer at MIT | 2023-Present

- Teaching multivariable calculus, differential equations, and linear algebra
- Advising first-year students
- Building interactive demos for math, physics, and beyond
- At the Edgerton Center: coordinated and taught for international outreach trips and visits with students from Spain, Italy, Bangladesh, and Germany among others

Software Engineer at Nirrin Technologies | 2019-2023

- Wrote a graphical interface for the control and monitoring of novel near-infrared spectrometers, testing a variety of user interface tools, including Tkinter, Flask, React, and finally Qt.
- Created a data visualization tool for live testing of optical configurations
- Collaborated with mechanical engineers to streamline device assembly and documentation

Instructor at MIT | 2018-2019

- Taught multivariable calculus
- Piloted an introductory Python-based differential equations course.
- Advised and mentored students through their first year at the Institute.

Visiting Teacher at ABA Global Education, Brasil and Yuan Ze University, Taiwan | 2017

- Led teams of MIT students to introduce over three hundred high school and college-level students to computer science
- Designed English-minimal curricula for strobe photography, computer architecture and programming, and cosmology

Researcher at MIT Lincoln Laboratory Airborne Networks Group | 2014-2015

- Investigated applications of Linux containers and the Docker engine to tactical network emulation
- Wrote automation scripts for multicast routing and disruption-tolerant networking scenarios

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Massachusetts Institute of Technology (MIT) | 2013-2018

- Master of Engineering, Electrical Engineering and Computer Science—GPA: 4.5/5.0
- Thesis: *Many Interesting Things: the design and implementation of a novel freshman seminar*
- Concentration: Artificial Intelligence and Computer Vision
- Minor: Comparative Media Studies

- Publication in the American Geoscience Institute's *Earth Magazine*
- Recipient of MIT's Fiekowsky Teaching and Community Service awards

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- Languages: English, Spanish, Portuguese, learning Italian
- Experience with Python, TensorFlow, Tkinter, Docker, Flask, C, Bash, MATLAB, Arduino
- Apple Final Cut Pro, Keynote, Adobe Photoshop, Lightroom, Illustrator