

Benjamin Z. Antonow

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EDUCATION

University of Michigan

Ann Arbor, MI

Bachelor of Science in Computer Science, LSA Honors

May 2026

Related Coursework: Data Structures & Algorithms, Operating Systems, Web Systems, Data Manipulation, Computer Architecture, Discrete Math, Theory of Computation, Linear Algebra, Machine Learning, Computer Security

EXPERIENCE

Software Engineer Intern

May 2025 – August 2025

Color Health

Burlingame, CA

- Led development of Color's AI evaluation platform, designing modular abstractions that enabled reuse across multiple clinical AI products and reduced pipeline setup time by 70%
- Reduced evaluation latency by 88%, accelerating feedback cycles for current and future AI tools
- Collaborated with clinicians to design experiments assessing the accuracy, reliability, and alignment of LLM outputs for a clinical setting
- Presented company-wide talk on best practices for building scalable evaluation pipelines for AI-driven clinical tools

Teaching Assistant, EECS 280: Programming and Intro Data Structures

August 2024 – Present

University of Michigan

Ann Arbor, MI

- Taught a weekly two-hour lab of 32 students to reinforce lecture concepts and provide hands-on programming help
- Provided instruction during office hours, guiding students through debugging C++ code, resolving technical issues, and clarifying course concepts
- Collaborated with faculty to develop exam problems and improve course for hundreds of enrolled students

Operations & Technical Intern

May 2024 – August 2024

JupyterHealth - UC Berkeley College of Computing, Data Science, and Society

Berkeley, CA

- Designed and developed website content for an open-source health tech initiative (under Project Jupyter) with a cross-functional team building enterprise data science software and data pipelines for wearable devices
- Defined user requirements by engaging with healthcare professionals and technical teams, ensuring product was HIPAA compliant and features aligned with patient and provider needs
- Refined open-source software documentation, improving for both technical teams and external stakeholders

Freelance Software Developer

May 2024 – November 2024

Focus For Democracy

Remote

- Automated key organizational processes by developing Python scripts based on organizational needs, resulting in a 60% improvement in efficiency invoicing \$40M+ in small donations pledged through Zoom webinars

PROJECTS

Green | *OpenAI platform*

October 2024 - Present

- A fine-tuned AI diagram generation tool for teaching and learning with ChatGPT

Number Classifier | *Assembly (RISC-V)*

July 2024

- Developed a machine learning classifier for handwritten digits in Assembly, trained on the MNIST Database
- Integrated Python-based unit testing frameworks for low-level computer vision operations

Gmail Assist | *Python, Flask, JavaScript, Socket.IO, Google OAuth, Gmail API, OpenAI API*

June 2024

- Developed an AI-powered conversational agent that manages your gmail inbox (UCB AI Hackathon '24)
- Leveraged the OpenAI API to summarize, write, and send emails using advanced text generation and function calls

Silent Meditation

January 2019 - May 2019

- Produced a silent vinyl record for meditation, exceeding Kickstarter fundraising goal by 1000%
- Sold hundreds of copies, validating product-market fit and receiving coverage from major publications

SKILLS & INTERESTS

Languages: Python, C/C++, JavaScript, HTML/CSS, Assembly (RISC-V)

Frameworks: Flask, React, React Native, Django, pandas, Next.js, OpenMP, OpenMPI

Technologies: Git, AWS, PostgreSQL, SIMD, Posthog

Interests: Image Generation, AR/VR, AI/ML, HCI, Health & Wellness, Yoga, Art History, Guitar, Crossword Puzzles