

# Benjamin Z. Antonow

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## EDUCATION

### University of Michigan

Ann Arbor, MI

*Bachelor of Science in Computer Science, LSA Honors*

May 2026

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

## EXPERIENCE

### Software Engineer Intern

May 2025 – August 2025

*Color Health*

*Burlingame, CA*

- Led development of Color's AI eval platform, creating modular abstractions that cut pipeline setup time by 70%
- Worked with clinicians to compile synthetic datasets and design experiments to assess the accuracy, reliability, and alignment of LLM outputs for clinical cancer care
- Presented company-wide talk on best practices for building scalable evaluation pipelines for AI clinical tools
- Selected for the 8VC Fellowship, a competitive program placing engineering students in 8VC portfolio companies

### Teaching Assistant, EECS 280: Programming and Data Structures

August 2024 – Present

*University of Michigan*

*Ann Arbor, MI*

- Taught a weekly two-hour lab of 34 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 for an open-source health tech initiative within Project Jupyter, building enterprise data science software and data pipelines for wearables
- Defined user requirements 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

### Technical Product Manager, Director of Alumni Engagement

Sep 2023 – April 2025

*Michigan Fashion Media Summit*

*Ann Arbor, MI*

- Developed a React Native mobile app for 600+ person conference, significantly enhancing attendee experience
- Drove the adoption of new software tools that improved internal project management and data analytics

### Freelance Software Developer

May 2024 – November 2024

*Focus For Democracy*

*Remote*

- Automated key organizational processes 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

### 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