

Benjamin Z. Antonow

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EDUCATION

University of Michigan

Bachelor of Science in Computer Science and Cognitive Science, Minor in Business, LSA Honors

Ann Arbor, MI

May 2026

EXPERIENCE

Instructional Aide, EECS 280: Programming and 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 materials for 1,000+ enrolled students

Technical Product Manager, Director of Alumni Engagement

Sep 2023 – Present

Michigan Fashion Media Summit

Ann Arbor, Michigan

- Developed and executed a strategic roadmap for the annual summit, leading the adoption of software tools to enhance project management, data analytics, and collaboration across cross-functional teams
- Leading development of a React Native mobile app for 600+ summit attendees, providing personalized scheduling, networking opportunities, and live updates to enhance attendee engagement and overall event experience
- Increased corporate participation by 81% through cold outreach, connecting 100+ students and professionals

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 data science enterprise 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
- Lead the development of a real-time donation counter (in-progress), aligning with organizational goals to boost engagement during webinars

PROJECTS

Oreen | XML, FastAPI, Cairo

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

TECHNICAL SKILLS

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

Frameworks: Flask, React, pandas, Node.js, jinja2, OpenMP, OpenMPI

Technologies: Git, AWS, Google Cloud Platform, VSCode, Vim, Bash, PostgreSQL, Intel Intrinsics

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