

Ben Neumaier

Ann Arbor, Michigan — bneum@umich.edu — (734) 306-7903 — www.linkedin.com/in/benjamin-neumaier —
bneum.net

EDUCATION

University of Michigan, Ann Arbor, MI
Bachelor of Science in Computer Science

Enrolled: September 2022 — May 2026
Overall GPA: 3.87

- **Relevant Coursework:** Web Systems, Data Bases, Data Structures and Algorithms, Computer Vision, Programming Languages, Theory of Computation, Linear Algebra, Statistics, Human Centered Design & Development, Databases.

EXPERIENCE

Back-End Software Development Engineer Intern
Amazon Web Services, EC2 Nitro

Seattle, Washington
May 2025 - August 2025

- Designed and implemented a chaos testing framework to validate resiliency and availability of EC2 services under simulated large-scale server outages.
- Automated tests ran every 30 minutes, injecting controlled faults and verifying recovery through CloudWatch metrics, alarms, and health checks.
- Integrated with team pipeline, enabling continuous resilience validation and reducing manual testing overhead.
- Ensured team projects did not regress over time due to continuous testing.

Front-End Software Development Engineer Intern
Amazon Web Services, EC2 Nitro

Seattle, Washington
May 2024 - August 2024

- Developed a Web UI using React, enabling EC2 operators to analyze and recover server outages across all EC2 regions.
- Worked with and became knowledgeable on AWS services such as EC2 and S3, as well as other internal tools.
- Worked with back-end developers to properly design and implement front-end display for multiple API's.
- Lead routine design reviews with team to evaluate project process, receive feedback and evaluate different use cases.

PROJECTS

Ann Arbor Film Festival, Illustrator/Cavalry

April 2026 - <https://www.bneum.net/port/ann-arbor-film-festival>

- A hypothetical brand identity and system for the Ann Arbor Film Festival, a yearly avant-garde and experimental film festival in Ann Arbor, Michigan. Along side this brand identity, I made a generative poster tool that allows users to generate posters while following the brand guidelines.

Are.na Channel Visualizer, Svelte

February 2026 - <https://arena-cluster.vercel.app>

- A website that turns any Are.na channel into an interactive 2D map by reducing block embeddings to two dimensions using UMAP. Built using Are.na API and svelte.

EXTRACURRICULARS

Alpha Theta Delta Professional Design Fraternity
VP of New Member Education

Ann Arbor, Michigan
September 2024 – May 2025

- Drove weekly meetings and participate in workshops focused on different types of design as well as professional development.
- Lead new members to design and create a class website and identity.
- Participate in design jams to improve skills in Figma and Website Creation.

SKILLS AND INTERESTS

- **Languages, Frameworks & Databases:** C++, Typescript, React, Java, Python, HTML, CSS, Processing, SQL, Node.js, Swift, Next.js, p5.js, Rust, OCaml, Shopify, SvelteKit, Tailwind.
- **Software:** Visual Studio Code, GitHub, Microsoft Office, Adobe CC, Figma, Blender, Cavalry.
- **Interests:** Skateboarding, Design Software, Soccer, Game Design, Film.

AWARDS AND HONORS

- **Shipman Scholarship:** Merit-based scholarship for incoming U-M students that show high academic achievement, leadership abilities, and exceptional talent in the arts and sciences.
- **Branstorm Freshman Prize:** Awards for Freshman who ranked in upper 5 percent of their class freshman year.