

Amanda Sherman

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EDUCATION

University of Massachusetts Amherst

Bachelor of Science in Computer Science

Amherst, MA

Sep 2022 – May 2026

EXPERIENCE

Research Assistant

Oct 2024 – Present

University of Massachusetts Amherst

Amherst, MA

- Conducting research on NLP prompt and answer simplification under PhD student Maha Alkhairy
- Figuring out ways to optimize simplification of output text given prompt
- Experimenting with prompt engineering techniques (e.x. zero shot, one shot, few shot, chain of thought)

Founder

June 2020 – Present

FuseBloom

Amherst, MA

- Founder of FuseBloom, a free online platform for high schoolers that custom curates internship and summer opportunities to advance educational equality
- 1000+ high schoolers subscribed to our opportunities newsletter
- 800+ followers on Instagram
- 2nd Place Winner of 2023 Minute Pitch entrepreneurship competition
- 60 percent Acceptance Rate of high school students into internships (12 out of 20 students total)

Research Assistant

June 2024 – Aug 2024

University of Massachusetts Amherst

Amherst, MA

- Accepted into URV (Undergraduate Research Volunteers) program to perform collaborative research study on Membership Inference Attacks in Federated Learning with two teammates under PhD mentor Dayeon Kang
- Graphed and analyzed benchmark ML datasets (CIFAR-10, CIFAR-100, MNIST, FMNIST, etc.) using Python and Tensorflow in Matplotlib
- Spearheaded research presentation to fellow undergraduate and graduate students at First Friday Fair

Fellow

June 2024 – Aug 2024

Valley Venture Mentors

Amherst, MA

- Learned about process of launching successful startup
- Networked and collaborated with Pioneer Valley entrepreneurs to refine FuseBloom's business model

PROJECTS

Finessify | *React, HTML/CSS, JavaScript, Git, Figma, Canva*

Oct 2020

- App that optimizes schedule using AI algorithms from user input
- Built a mock prototype on Figma and pitched business plan
- Placed Top 8 in Bloom Entrepreneurship Challenge
- Awarded Best Visual Award in Sigmoid Hacks out of 390 participants (received Discord Nitro for 1 month as a prize!)
- Achieved 2nd place (Silver) in XD Hacks Mini out of 190 participants

Cloudling | *React, Next.js, Tailwind CSS, Firebase, Git, Figma, Canva*

Aug 2021

- Developed website that allows user to create a profile page containing bio and all social media links
- Can share Cloudling page with others to share 1 link instead of 10
- Can also use the Explore page to find others to connect with, making it easy to network
- Fully functional website with a great UI that is very useful to students and professionals alike

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, Git, C

Frameworks: React, WordPress

Developer Tools: Git, VS Code, Linux

Libraries: pandas, NumPy, Matplotlib