

# Amy Zhang

📞 610-203-2489    ✉ [ahz12@pitt.edu](mailto:ahz12@pitt.edu)    💻 <https://www.linkedin.com/in/azhang330/>

## Relevant Experience

- Idaho National Laboratory Cyber-Informed Engineering Fellowship** May 2024 - July 2024  
*Research Fellow* Pitt Honors College — Swanson School of Engineering
- Delivered two use case documents, which included technical explanations of the implications of cyber-threats to the power grid and graphical illustrations of circuit breaker malfunctions for educational purposes
- BioForge Independent Study** Jan 2024 - April 2024  
*Student Researcher* University of Pittsburgh
- Critically analyzed and assessed risk communication and possible rhetorical impacts of the Hazelwood Bioforge Manufacturing Center
- Trellis For Tomorrow** July 2021 - September 2021  
*Journalism Intern* Phoenixville, PA
- Collected qualitative data for the yearly newsletter by interviewing underprivileged youth volunteers and local produce recipients to assess the impact of community produce gardens on residents of a food desert
  - Contributed interview material to the yearly newsletter and collaborated with youth participants to publish blog posts to the company's website

## Projects

- Memory Lane: A Method of Loci Inspired Study Tool** March 2024  
*Fourth Place* SteelHacks
- Created a full gameplay run-through 'proof of concept' demonstrating a mixed reality study tool based on the method of loci
  - Integrated Unity game engine with a Python script using a ChatGPT API key to create flashcards based on educational website content
- Face Off!: Facial Detection Security Alerts** Jan 2024  
*Third Place* ShelInnovates Hackathon
- Developed and implemented a facial detection security project using OpenCV, Python, and Haar Cascade facial detection algorithms
- Don't Touch Me: Motion-Activated Shortcuts** February 2023  
*Best Beginner Award* ShelInnovates Hackathon
- Developed a motion-activated shortcut proof of concept using OpenCV, Python, and Media Pipe
  - Used vector distance calculations to detect a range of movement that signified "skipping" forward and back

## Activities and Clubs

- The Pitt Pulse Magazine | Webmaster and Co-Art Director**
- Manage the front-end website using Squarespace; publish new content online every cycle, including web versions of print articles, web exclusive articles, and podcasts
  - Coordinate weekly design meetings, deliver 4 editions in print and on web per year, coordinate social media design posts with the PR team
  - Design each edition's magazine covers, spreads, and pages using Adobe Photoshop, Illustrator, and InDesign
  - Edit audio clips with Adobe Audition, write voice-over scripts, interview guests
- Cinema Circle @ Pitt | Vice President**
- Host biweekly meetings to discuss movies, and collaborate with film advisor to pick movies that adhere to a chosen theme

## Education

- University of Pittsburgh — School of Computing and Information — Frederick C. Honors College** April 2026  
*Bachelors of Science in Information Science & Digital Narrative and Interactive Design (GPA: 3.9)* Pittsburgh, PA
- Minors:** Computer Science
  - Relevant Courses:** Data Analysis, User Experience Engineering, Analysis of Information Systems, Narrative and Technology, Composing Digital Media, Public and Professional Writing Independent Study, Linear Algebra
  - Technical Skills:** R, Python, LaTeX, Adobe Creative Cloud Suite