Alyssa Zhang

amzhang02@gmail.com
Portfolio
Linkedin

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Skills

Software & Design Tools

Adobe Photoshop, Adobe Illustrator, Adobe XD, Figma, Sketch, Microsoft Office, Amazon AWS

Programming Languages & Frameworks

HTML, CSS, Javascript, Django, Flask, JSON, Python, Java, C, OCaml, R

Technical Skills

Basic woodworking, MIG welding, oil painting, full-stack web development, user interface design, program management, software engineering

Certifications

Swarthmore MakerSpace Woodshop Certification

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Awards

2022 Sigma Xi Virtual STEM Art and Film Festival Honorable Mention

CCSC Eastern Conference 2022 Best Faculty Poster Award (Co-authored)

Deborah A. DeMott '70 Student Research & Internship Award

Robbins/Chang Big Data/Social Change Internship Award

Education

Swarthmore College / B.A. Art & Computer Science
AUGUST 2020 - MAY 2024, Swarthmore, PA

Relevant Coursework

- Contemporary Art Practice
- Advanced Study: Painting
- Painting III: Self Direction
- Painting II: Figure Composition
- Painting I: Drawing into Painting
- Sculpture II: Metal
- Sculpture I: Form, Material, Place

Extracurriculars & Leadership

Women's Track & Field Captain, Swarthmore College Computer Society (SCCS) Program Manager, Swarthmore Computer Science Dept. TA, Student Government Organization Class Senator, The Phoenix Writer

Experience

MakerSpace Technician / Swarthmore College
JAN 2024 - PRESENT, Swarthmore, PA

- Maintaining woodshop, laser cutting, and 3D printing machines and spaces
- Assisting individual students and art classes with machine and power tool usage for personal and class projects
- Keeping inventory of MakerSpace materials

Software Development Intern / OMNIVISION
MAY 2023 - AUG 2023, Santa Clara, CA

- Built Django web app for automatic and manual security testing
- Resolved security alerts by re-configuring security settings and creating middleware in Python backend
- Experimented with integrating LDAP authentication into Django application
- Documented and presented learning to leadership of global Integrated Software team

Frances Velay Research Fellow / Swarthmore College
MAY 2022 - DEC 2022, Swarthmore, PA

- Coded web interface, 10 generative art algorithms, and database with Javascript, Node.js, HTML & CSS
- Algorithms created with Javascript based on mathematical and natural phenomena and existing art styles/patterns
- Analyzed collected data to quantify aspects of "good" art and determine what features make better art
- Co-authored and presented award-winning research poster at CCSC Eastern Conference, Swarthmore Sigma Xi, and iFore STEM Art and Film Festival

Web Design Intern / Margaret Coote Music Studio
DECEMBER 2021 - JANUARY 2022, Rochester, NY

- Improved website UI and SEO by modernizing web layout with mobile compatibility and by adding relevant search engine keywords to web description
- Developed effective collaborative relationships with studio owner through weekly meetings
- Collaborated with owner's portrait photographer to create high-quality images for her portfolio website