

YuQian Shi

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EDUCATION

UNIVERSITY OF MASSACHUSETTS AMHERST | Manning College of Information and Computer Sciences, College of Humanities & Fine Arts, Commonwealth Honors College

B.S. in Computer Science with Department Honor; B.A. in Studio Art

Exp. Graduation May 2024

Cumulative GPA: 3.93/4.0; Dean's List 2020-2024; Chancellor's Award 2020-2024

Coursework: Artificial Intelligence; Software Engineering; Algorithms; Data Analysis; Computer Network; Cryptography

EXPERIENCE

MASSENER SUMMER STEM INSTITUTE

Aug 2022 – Aug 2023

Computer Science Class Assistant

- Assisted in teaching 30+ students basic coding through an experiment with Arduino

UMASS UNDERGRADUATE COURSE ASSISTANT

Sept 2022 – Present

CICS 690C - Foundations of Applied Cryptography, CICS 446 - Search Engines

- Organized office hours to answer students questions on homework and graded assignments.

UMASS CENTER FOR KNOWLEDGE COMMUNICATION

Sept 2022 – Present

Research Lab Assistant

- Updated the Grade 5 math problems for MathSpring, a web-based intelligent tutoring system.
- Proposed a year-long honor thesis project of making a teacher-centered dashboard prototype for WearableLearning (WL), a cloud-based education technology for math learning and computational thinking, through a co-design process involving interviews with educators utilizing WL in their teaching practices.

DOCUMENTARY: THE FUTURE OF COFFEE

Feb 2023 – Present

Lead Animator

- Illustrated a 45 seconds opening 2D animation using Adobe Photoshop and After Effects, a reverse coffee making process, for the documentary.

BAYSTATE HEALTH PROJECT: ANIMATING FAMILY WELL-BEING

August 2023 – Present

2D Animator

- Collaborated with a group of five animators to create a series of bilingual animated videos, using Procreate and Adobe After Effects, to prompt healthy child development and family well-being for Baystate Medical Center.

PROJECTS

LANDMARK AI

Jul 2021

- Trained a Landmark AI using Microsoft's CustomVision API.
- Enabled to identify the input image's similarity to Eiffel Tower, Golden Gate Bridge, and Pyramid of Kukulkan in percentage with a 99% accuracy.

VLOG IN FINTECH - undergraduate research volunteers (URV) program

Dec 2021 - Jan 2022

- Collaborated with three undergraduate students and one Ph.D. mentor to analyze how Blockchain influencers use video as a media to share knowledge and dismantle stereotypes of developers.
- Constructed a YouTube comment extractor in Python by using YouTube API and OAuth 2.0.
- Led the Data Collection and Analysis for the project by doing the sentiment analysis.

EAT THIS! - group project of CS320 Software Engineer course

Dec 2021 - Jan 2022

- Collaborated with seven undergraduate students to create a website that allows UMass students to find dining locations based on their preferences and live data at their search time.
- Designed and built the UI of the website using React.

MISS U

Nov 2022

- Created a one minute 2D animation using Adobe Photoshop and After Effects independently.
- Accepted into the first UMass Animated Film Festival and viewed by 50+ audience.

THE ROSE BLADE

Dec 2022 - Present

- Collaborated with one peer to create a RPG game about knights fighting against evil pigeons to save princesses using RPG Maker.

- Illustrated 15+ images for game cover, characters, event CG, etc.

LEADERSHIP

UMASS AMHERST CHINESE STUDENT SCHOLAR ASSOCIATION

Sep 2020 – Present

Head of Public Relations Team

- Organized and advertised 10+ events, such as New Student Orientation, UMass Sing, and Chinese Spring Festival Gala, with 100+ participants in each event
- Managed 10+ Chinese student group chat with 300+ students in each group chat, aiming at providing a helpful and supportive environment for facilitating connections among peers such as finding roommates, classmates, off-campus housing, cars, and exchanging second-hand objects.

HACKUMASS

May 2022 – Present

Member of Public Relations Team

- Advertised the largest hackathon in the Pioneer Valley with over 500 participants by posting event information to engage a wide audience on social media platforms such as LinkedIn and Instagram.

CICS PEER MENTOR

Sept 2022 – May 2023

- Supported the assigned freshman mentee through her transition to the college by offering essential campus resources of both social and academic aspects in the 30 minutes face-to-face lunch meeting every week.

INTERNATIONAL STUDENT ORIENTATION (ISO)

August 2023

Student Staff

- Lead campus tours for new international students and their families throughout the three-day ISO.

ADDITIONAL

Technical Skills: Proficient in Python, Java, C/C++, HTML/CSS, SQL, Tensorflow, PyTorch

Languages: Native in Chinese; Fluent in English; Conversational Proficiency in Spanish

Certifications & Training: DeepLearning.AI TensorFlow Developer Professional Certificate, CITI Program Certification on Human Research

Publication: Y. Shi, K. Israni, S. Nimbali, A. Randall. Vlog in Fintech: Dismantling Stereotypes Through Community and Identity in Blockchain