

# YuQian Shi

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## EDUCATION

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**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; Human Computer Interaction; Software Engineering; Algorithms; Computer Network; Cryptography

## EXPERIENCE

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**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 designing a teacher-centered dashboard prototype for WearableLearning (WL), a cloud-based education technology for math learning, through a co-design process.

**DOCUMENTARY: THE FUTURE OF COFFEE**

Feb 2023 – Present

Lead 2D Animator

- Illustrated a 45 seconds opening 2D animation using Adobe Photoshop and After Effects for the documentary.

**BAYSTATE HEALTH PROJECT: ANIMATING FAMILY WELL-BEING**

August 2023 – Present

2D Animator

- Collaborated with a group of three 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

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**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 food preferences and live location data at their search time.
- Designed and built the UI of the website using React.

## ACTIVITIES

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**UMASS AMHERST CHINESE STUDENT SCHOLAR ASSOCIATION**

Sep 2020 – Present

Head of Public Relations Team

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

**HACKUMASS - member**

May 2022 – Present

**WOMEN IN INFORMATICS AND COMPUTER SCIENCE - member**

Feb 2022 – Present

**LEADERSHIP ACADEMY CLASS OF 2023-24**

July 2023 – May 2024

## ADDITIONAL

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

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