

Biao Xie

University of Massachusetts Boston
College of Science and Mathematics

Phone: (339) 224 8521
Email: biao.xie001@gmail.com
Web: biaoxie.github.io/home/

RESEARCH INTERESTS

Virtual reality, Human-Computer Interaction, Game Development, Software Design

EDUCATION

University of Massachusetts Boston 2016-Ongoing
Bachelor of Science in Computer Science (B.S.)
Minor in Mathematics
GPA: 3.6

Malden High School 2012 - 2016
High School Diploma

PUBLICATION

Exercise Intensity-driven Level Design

Biao Xie, Yongqi Zhang, Haikun Huang, Elisa Ogawa, Tongjian You, Lap-Fai Yu
IEEE Transactions on Visualization and Computer Graphics (TVCG), 2018
[Featured in IEEE Xplore Innovation Spotlight](#)
(Special Issue on IEEE Virtual Reality 2018. Acceptance Rate: 15%)

Pose-Guided Level Design

Yongqi Zhang, Biao Xie, Haikun Huang, Elisa Ogawa, Tongjian You, Lap-Fai Yu
Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2019)

AWARDS/ HONORS

The Ronald E. McNair Fellow October 2017 - Ongoing
Oracle Undergraduate Research Fellowship June 2017, 2018
Undergraduate Research Funds(URF) December 2017, 2018

EXPERIENCE

Undergraduate Research Assistant November 2016-Ongoing
University of Massachusetts Boston

- Conduct a virtual reality research project
- Assist with user study and device configuration
- Set up demos for showcasing new virtual reality devices

Vice President (Internal)

Fall 2016 - June 2018

Game Development Club

University of Massachusetts Boston

- Organize club gatherings and presentations
- Share game development ideas and news with club members

Guest Lecturer

CS461: Computer Games Programming

April 2018

NURSING715: Health Informatics

November 2018

University of Massachusetts Boston

- Presented procedural generating levels techniques on exergames.

Member

September 2015-June 2016

National Honor Society

Malden High School

- Raised funds for families in need around community in holidays. We raised more than \$10,000 in 2015
- Developed a website which provides translation of the school's policy and other accessible information for students who just came to the country

Web Developer

2013-2014

Excella Graphics

- Developed websites using Wordpress for small businesses
- Maintained websites based on clients' requirements
- Conducted e-marketing

Math Tutor

Summer, 2013 and 2014

MCAS Math Summer Program

Malden High School

Total Hours: 150

- Taught students problem-solving skills
- Followed up with students' learning progress
- Helped students struggling to pass the state exam

SKILLS

Programming Languages: Java, C, C#, HTML**Web Development:** Wordpress**REFERENCES**

Lap-Fai (Craig) Yu

Assistant Professor

Department of Computer Science

University of Massachusetts Boston

Email: craigyu@cs.umb.edu