Biao Xie

University of Massachusetts Boston
College of Science and Mathematics

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RESEARCH INTERESTS

Virtual Reality, Human-computer Interaction, Game Development, Software Design

EDUCATION

University of Massachusetts Boston   2016 - 2020
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
<u>Biao Xie</u>, 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, <u>Biao Xie</u>, Haikun Huang, Elisa Ogawa, Tongjian You, Lap-Fai Yu
Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2019)
(Honorable Mention Award)

AWARDS/ HONORS

The Ronald E. McNair Fellowship	October 2017 - Ongoing
Honorable Mention Award, *ACM SIGCHI 2019*, top 5%	May 2019
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

- Conducting research projects in virtual reality(VR) and human-computer interaction(HCI)
- Assisting with user study and device configuration
- Analyzing and reporting results from user evaluation

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
<u>CS461</u>: Computer Games Programming April 2018
<u>NURSING715</u>: Health Informatics November 2018
<u>CS410</u>: Introduction to Software Engineering February 2019
University of Massachusetts Boston

- Presented procedural levels generation 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
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