

**Yongqi Zhang** [y Zhang59@gmu.edu](mailto:y Zhang59@gmu.edu) | <https://yqz530.github.io/>

## RESEARCH INTERESTS

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Human-Computer Interaction, Virtual Reality, Computational Design

## SELECTED PUBLICATION

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### Joint Computational Design of Workspaces and Workplans

Yongqi Zhang, Haikun Huang, Erion Plaku, Lap-Fai Yu

*ACM Transactions on Graphics (Proceeding of SIGGRAPH Asia)*, 2021

### Exertion-Aware Path Generation

Wanwan Li, \*Biao Xie, Yongqi Zhang, Walter Meiss, Haikun Huang, Lap-Fai Yu

\*Equal contributors

*ACM Transactions on Graphics (Proceeding of SIGGRAPH)*, 2020

### Pose-Guided Level Design

Yongqi Zhang \*, Biao Xie\*, Haikun Huang, Elisa Ogawa, Tongjian You, Lap-Fai Yu

\*Equal contributors

*ACM SIGCHI*, 2019

Honorable Mentions

### Exercise Intensity-driven Level Design

Biao Xie\*, Yongqi Zhang\*, Haikun Huang, Elisa Ogawa, Tongjian You, Lap-Fai Yu

\*Equal contributors

*IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 2018

(Special Issue on IEEE Virtual Reality 2018)

Featured on IEEE Xplore Innovation Spotlight

## EDUCATION

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**George Mason University**, Fairfax, VA

2019 - Present

PhD student, Computer Science GPA: 4.0

**University of Massachusetts Boston**, Boston, MA

May 2019

Bachelor of Science, Computer Science GPA: 3.9

## RELEVANT EXPERIENCE

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### Research Assistant

Sep 2019 - Present

DCXR Research Lab

- Apply computational design to synthesize workplace layout
- Conduct research on virtual reality training

### Research Assistant

Mar 2017 - May 2019

UMass Boston Virtual Reality Lab

- Conduct collaborative research projects on virtual reality and exergaming
- Assist professor design and implement CS course projects

### Google IgniteCs Program Member

Mar 2017 - Jun 2017

South End Technology Center in Boston

- Mentored underprivileged teenagers to learn computer technology
- Collaborated with other university students to design hands-on-experience-based lectures

## AWARDS & ACHIEVEMENT

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- Recipient of NSF Graduate Research Fellowship 2019
- Recipient of Beacon Student Success Fellowship 2017
- Recipient of Oracle Undergraduate Research Fellowship 2017
- Fellow in McNair Program 2017 -2019