

Siyuan Qiu

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Education

- 2016-2018 **New York University**, *Tandon School of Engineering*.
M.S. in Integrated Digital Media
GPA: 3.84/4.00
- 2012-2016 **Shandong University**, *School of Software Engineering*.
B.S. in Digital Media
Core Courses (GPA 3.7): Programing Language, Computer Graphics, Data Structure, HCI

Work Experience

- 2017-2018 **Unity Developer**, *NYU Mobile AR Lab*.
- Co-designed and developed *AR Creator*, using iOS native Speech Recognition API and ARKit to create AR objects by voice.
 - Co-designed and developed *VR for Peace*, a multi-player VR game that uses Unity Networking Framework and supports both HTC Vive and Oculus Rift.
- 2017-2018 **Teaching Assistant**, *NYU Mobile AR Graduate Class*.
- Make video tutorials and build Unity plugins for students to use Vuforia, Hololens and ARKit with less effort.
 - Assist students with their projects, troubleshoot the technical problems and give feedback on their ideas.
- 2016-2017 **Unity Developer**, *NYU Admission Office*.
- Designed and Developed *NYU Makerspace 360* and *NYU Tandon Research Lab VR*, two commercial cardboard VR apps for introducing NYU to newly admitted students.
- 2015 **Unity Technical Artist**, *Dareway Software*.
- Optimized the graphics performance of the *Virtual Fire Alerting System* on Unity by using baked lighting, occlusion and per-layer culling.
 - Optimized the CPU performance of the system by combining meshes and reducing the number of materials used.

Research Experience

- 2016 **3D Modeling and Manipulating Techniques on Multi-touch Devices**.
- Improved the multi-touch gesture recognition algorithm.
 - Introduced a new set of pressure-based manipulating techniques for 3D objects.
- Publication Qiu, Siyuan, Lu Wang, and Laikuan Wong. "Pressure-based touch positioning techniques for 3D objects." Proceedings of the 20th ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games. ACM, 2016.

Media Experience

- 2016-Present **Podcast Co-host, Editor, Writer**, *Fanpie Film*.
- Co-host, edit and write for *Fanpie Film*, one of the most popular movie review podcasts in Chinese, with more than 100,000 regular listeners.

Computer Skills

- Programming **C#**, Java, Swift, C++
- Media Adobe Photoshop, Adobe After Effects, Adobe Audition, Adobe Premiere, Maya
- Platform **Unity**, Unreal, Native iOS