

Zhang, Ruonan

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OBJECTIVE

To obtain a 2016 summer internship position as a Game Programmer.

EDUCATION

Carnegie Mellon University, Entertainment Technology Center (M.E.T) *Expected May 2017*

University of Pittsburgh, Information Science (M.S.) *Apr 2015*

East China University of Science and Technology, Computer Science (B.E.) *Jun 2013*

Related Courses: Algorithms and Data Structure, Computer Network, Graphics, Advanced Programming Language

SKILLS

Languages: Java, C#, HTML, CSS, JavaScript, C++, PHP, R

Software: Unity3D, Adobe PR, Maya

Others: OpenGL, D3, Android Platform Development

ACADEMIC PROJECTS

Building Virtual World

Aug 2015 - Dec 2015

- Worked with artists and sound designers to design and develop game prototypes on different platforms (Kinect, Oculus, PS Move and Makey Makey) in every two weeks.

RESCHU

Sep 2014 - Apr 2015

- Displayed area maps with Google Map API for Java-based desktop application RESCHU.
- Designed maps and captured map information for interactive purpose.

Computer Graphics

Sep 2014 - Dec 2014

- Developed a 2D Maze Game and a 3D Ball Collection Game with OpenGL.

Interactive System Design

Sep 2013 - Dec 2013

- Developed a speech-based Gomoku game with VB and Microsoft Speech API.
 - Developed a gesture-based Tetris with C# and Kinect API.
 - Developed a Memory Flip web game with JavaScript and CSS.
 - Designed user-friendly interface and evaluated usability of interactive systems.
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EXPERIENCE

Pittsburgh Supercomputing Center, Graphic Intern

Jan 2015 - Present

- Worked on Volume Browser, which helps users to view large three dimensional images.
- Optimized rotations and movements functions and wrote documentations.
- Updated configuration files to make it work on Linux, Windows and MacOS platforms.

University of Southern California, Summer Program

Summer 2014

- Created and completed a short story for Visual Effect course.
- Built 3D Models and add animations for the character in the story.
- Implemented rotoscoping with NUKE and edited with Adobe PR.

Steel City CodeFest 2014, Android Application

Feb 2014

- Developed an Android application for Planned Parenthood of Western, PA.
 - Designed and implemented SQLite database which allowing users to share, comment, and exchange information.
 - Designed user-friendly interfaces according to clients' requirements.
 - Created a web site for administrators to monitor and process users' information.
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