# Haotian Lu

### Game Developer | Technical Artist

Santa Clara CA, 95050 | lht13615200707@gmail.com | 408-207-3961

#### **Skills**

Professional: Unity, C#, C++, MAXScript, 3ds Max, Photoshop, Linear algebra

Proficient: Java, JavaScript, Unreal 4, Maya, SVN, MySQL, Linux

Competent: LUA, Houdini, Substance Painter, Perforce

### **Work Experience**

Technical Artist Intern - Seasun Games Inc.

Feb 2019 – Jun 2019

- Created and optimized realistic water shader in Unity3D;
- Developed MAXScript for modeling and rigging, e.g., Seamless Loop Animation;

### **Projects**

### **Game Designer / Lead Programmer – Luz (Unity3D)**

Nov 2019 - Dec 2019

Team of 5

- Designed and implemented enemy behavior and character behavior
- Realized close eye effect using Unity ShaderLab
- Simulated heartbeat effect using trigonometric functions

## Lead Programmer - Flight Training Simulation Program (Unity3D)

Dec 2017 - May 2018

Team of 8

- Communicated with the external client, confirmed the project requirements;
- Simulated basic aircraft aerodynamics in Unity3D, get familiar with how to control a plane;
- Implemented flight recording and video playback function, inspired by streaming media file format;
- Completed the procedure of network data access to inform users of the current status of aircraft.

# Game Designer / Programmer - Crossing Wake (Unity3D)

May 2018 - Jun 2018

Team of 2

- 4 player online battle game
- Implemented the function of multiplayer online battle;
- Realized online data storage by saving game data and player data on Ali Cloud;
- Utilized shaders to improve the visual effect.

## **Programmer –Windows 7 Operation Courseware**

Mar 2016 - Sept 2016

Team of 3

- Simulated Windows 7 OS on website using JavaScript
- Implemented data collection and analysis system to help teachers improve teaching quality
- 3rd prize in Zhejiang Provincial Multimedia Design Contest

#### Education

#### **University of California Santa Cruz**

**Expected Grad. Mar 2021** 

Games & Playable Media - M.S.

#### **Communication University of Zhejiang**

Sept 2015 - Jun 2019

Digital Media Technology - B.Eng.

#### **Others**

- Vice President, Animation Club
- Japanese-Language Proficiency Test N2