James McLain Johnson

1107 Tucker St., McKinney, TX. 75069

972-743-3534 | mclain.asap@gmail.com

Portfolio: mclainj.github.io

Objective

To join a dedicated team crafting innovative game experiences.

Qualification Highlights

- B.S. in Computer Science in progress (senior)
- Proficient in Unity, C#, C++, GLSL & HLSL
- Experienced in game shaders, graphics pipeline, AI, and networking

Education

Texas A&M University, College Station, TX   May 2020

Bachelor of Science in Computer Science

Minor in Game Design & Development

GPR: 3.57

Relevant Coursework:

Computer Graphics,   Linear Algebra,
Shader Dev. with Cg/HLSL (online course),   Game Development (ongoing),
C# 3D Unity Dev. (online course),   Natural Language Processing

Technical Skills

Languages: C++, C#, GLSL, HLSL/Cg, Python, Java, R

SDK/API: Unity, OpenGL, Photon, NLTK, TensorFlow

OS: Windows, MacOS, Unix, Linux

Experience

Programmer, Biterate Entertainment - Capstone Course Team   Fall 2019

College Station, TX

- Developing Unity3D platformer/puzzle game with interdisciplinary team
- Focus on AI, combat, utilities, and shaders

Technical Lead, iCode   May 2019-August 2019

Allen, TX

- Instructed students on varying areas of computer science, including game and virtual reality development with Unity
- Coordinated deployment of hardware and software to classes

Research Member, Natural Language Processing Group   August 2017-May 2019

College Station, TX

- Created sentiment/emotion analysis and question generation models
- Utilized machine learning tools and statistical methods

Programmer, Chillennium Game Jam   Fall 2016 and 2019

College Station, TX

- Implemented design and gameplay mechanics
- Mentored participants on game programming and Unity

Activities

Unity Game Development   January 2019-Present

- Progressing my Unity skills by working on a variety of game mechanics and architecture
- Customizing render pipeline and writing shaders

Member, TAMU ACM SIGGRAPH   September 2019-Present
College Station, TX

Contestant, ACM-ICPC Local Programming Contest   October 2017
College Station, TX

Events Officer, Japanese Language & Culture Club   January 2017-May 2018
College Station, TX

Computer Construction and Refurbishing   Fall 2015-Summer 2016
  • Managed the build and repair of PCs

Honors
National Academy of Engineering, Grand Challenge Scholar   Fall 2017

Boy Scouts of America, Eagle Scout   Summer 2013