James McLain Johnson

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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