

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
Bachelor of Science in Computer Science
Minor in Game Design & Development
GPR: 3.57

May 2020

Relevant Coursework:

Computer Graphics,
Shader Dev. with Cg/HLSL (online course),
C# 3D Unity Dev. (online course),

Linear Algebra,
Game Development (ongoing),
Natural Language Processing

Technical Skills

Languages: C++, C#, GLSL, HLSL/Cg, Python, Java, R
SDK/API: Unity, OpenGL, Photon, NLTK, NumPy, Scikit-learn
OS: Windows, MacOS, Unix, Linux

Experience

Programmer, Biterate Entertainment - Capstone Course Team
College Station, TX

Fall 2019

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

Technical Lead, iCode
Allen, TX

May 2019-August 2019

- 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
College Station, TX

August 2017-May 2019

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

Programmer, Chillennium Game Jam
College Station, TX

Fall 2016 and 2019

- 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
College Station, TX

September 2019-Present

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

October 2017

Events Officer, Japanese Language & Culture Club
College Station, TX

January 2017-May 2018

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