MAXWELL SLATER

Reno, NV · mjslater@andrew.cmu.edu · (503) 702-0051 · thenumbat.github.io

EDUCATION

Carnegie Mellon University   Pittsburgh, PA
BS Computer Science   August 2018 - May 2022

The Davidson Academy of Nevada   Reno, NV
GPA: 4.0   August 2012 - May 2018

EXPERIENCE

Masquerade Media Inc   Reno, NV
Intern   May 2017 | August 2017

- Contributed to a mobile game production pipeline including tasks such as asset processing, scripting, gameplay prototyping, and testing using Unity 3D and Autodesk Maya.
- Designed and implemented web-based promotional games driving engagement and customer acquisition.

University of Nevada, Reno   Reno, NV
Research Intern   May 2015 | May 2016

- Assisted in wireless networking research under Dr. Shamik Sengupta supported by NSF Grant #IIA-1301726.
- Authored and published a white paper on the subject.
- Helped plan outreach programs for STEM education.

TrenLot Inc   Reno, NV
Intern   March 2016 | March 2016

- Designed and implemented web-based API for communicating with and updating internet enabled microcontrollers.

SKILLS

Tools:	C++, C, Modern C++, Win32, OpenGL
Concepts:	Game Engines, Graphics, Data Structures, Compilers, Operating Systems
Software:	Adobe Suite, Maya, Blender, MS Office, Windows, Linux

PROJECTS

Handmade Voxel Game Engine *C++, Win32, OpenGL, MSVC*
https://github.com/TheNumbat/exile
A modded-minecraft-like game on top of a featureful low-level programming environment and voxel game engine with minimal libraries.

Programming Course *C++, HTML, CSS*
https://thenumbat.github.io/cpp-course/
Organized, created curriculum, and taught course at the Davidson Academy. Developed website based on course curriculum.

3D Graphing Tool *C++, OpenGL, Dear ImGui, SDL2, GLM, exprtk*
https://github.com/TheNumbat/3D-Grapher
3D-Graphing tool for the Davidson Academy multivariable calculus course.

AWARDS

National Merit Finalist and Scholarship Winner   NMSC
One of 8000 recognized for PSAT performance, accomplishments, and skills.   2017

High Achievement on the ACT   ACT
One of 2000 recognized for attaining the maximum score on the ACT exam (36).   2017