

# MAXWELL SLATER

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

## EDUCATION

### The Davidson Academy of Nevada

GPA: 4.0

Reno, NV  
August 2012 - May 2018

### Carnegie Mellon University

BS Computer Science

Pittsburgh, PA  
August 2018 - May 2022

## EXPERIENCE

### Masquerade Media Inc

Intern

Reno, NV  
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

Research Intern

Reno, NV  
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

Intern

Reno, NV  
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, expatk

<https://github.com/TheNumbat/3D-Grapher>

3D-Graphing tool for the Davidson Academy multivariable calculus course.

## AWARDS

### National Merit Finalist and Scholarship Winner

One of 8000 recognized for PSAT performance, accomplishments, and skills.

NMSC  
2017

### High Achievement on the ACT

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

ACT  
2017