

Skyler Colt Manzanares

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www.github.com/dove-bren

Education

New Mexico Institute of Mining & Technology (NMT)

B.S. in Computer Science with Honors

GPA: 3.27

Skills

Programming Languages

Java (SE & EE)

C++

C

x86 Assembly

PHP

Matlab

JavaScript

Lua

Platform Experience

Windows

Linux/Unix

OSX

Game Engines

Unreal 4.12

Professional Experience

Center for Graduate Studies Technology Specialist (Nov 2015 - Dec 2016)

NMT Center for Graduate Studies

- Build a web registration application from database to client-faced webform
- Organize the 2016 Conference for the Western Association of Graduate Schools
- Pick up and document past-work on DegreeWorks, establishing standards for future work

Computer Science Undergraduate Research Assistant (Jun 2016 - Jul 2016)

NMT's Computer Science Department

- Identify potential cloud networking simulation software
- Adapt CloudSim and DynamicCloudSim simulation software for neural network analysis (www.cloudbus.org/cloudsim/)
- Construct neural networks using WEKA (www.cs.waikato.ac.nz/~ml/weka)

Summer Clusters Institute Participant (June 2015 - July 2015)

Los Alamos National Laboratory

- Assemble, configure, and administrate a resource monitored high-performance Linux OpenMPI cluster
- Investigate performance and security of Docker containers against VMs in a multi-user setting

Programming Experience

Lead Software Engineer & Programmer (Aug 2016 - Oct. 2016)

Snowflux Studios, LLC (Defunct Video Game Startup)

- Translate game concepts and features into sets of requirements
- Create early documentation of game features and operational specifics
- Develop early walking/running and stamina models using Unreal
- Create inventory interfaces for the player, shops, and NPCs

President & Lead Programmer (Jan 2014 - Sept 2016)

NMT Minecraft Club

- Implement member requested features for club server using the Spigot and Forge Java APIs (www.spigotmc.org, www.minecraftforge.net)
- Initiate standards and testing procedures for team contributions
- Test and troubleshoot each contribution, providing feedback and assistance to contributors
- Organize team efforts to match deadlines for events while prioritizing features most anticipated by club members