

# M. Randall McNeil

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North Wilkesboro, NC

Gameplay Programmer

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## EXPERIENCE

### Internship - Game Development

June 2021 — August 2021

*Dark Glass Studios*

*North Wilkesboro, NC*

- Designed and implemented a collectible creator tool for project collaborators.
- Programmed player and enemy action for turn-based combat and end of battle reward handler.
- Expanded combat mechanics with health bars, attack values, and connected animations.

### Adjunct Professor - Simulation and Game Development

August 2015 — December 2021

*Wilkes Community College*

*North Wilkesboro, NC*

- Instructed:
  - SGD-114 3D Modeling
  - SGD-125 Artificial Intelligence
  - SGD-162 3D Animation
  - SGD-214 3D Modeling 2
  - SGD-237 Rigging 3D Models
- Assisted:
  - SGD-289 Capstone

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## PROJECTS

### Digit Dasher

*Personal Project*

- Conceptualized and created an infinite runner game for Android mobile devices.
- Utilized Unity 3D, C#, and Adobe Photoshop as integral tools to bring the project to fruition.
- Published to the Google Play Store in the spring of 2019.

### Dutch Blitz

*Undergraduate Capstone Project*

- Co-created a single player digital twin for the physical card game Dutch Blitz.
- Lead the development of the core mechanics and rules within the game as well as bot actions and variable difficulty levels.

### Mash Trainer

*Personal Learning Project*

- Developed rapid button press training tool in Unity 3D for the purpose of learning Github creation and project version control.

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## SKILLS

Languages	C#, C, C++, Java, Haskell, Bash, Assembly, R, SQL
Game Engines	Unity, Unreal, Source, RPG Maker
Modeling/Animation	Maya, 3DS Max, Blender, After Effects
Applications	Visual Studio, Vi/Vim, Eclipse, Git, MySQL
Web Development	HTML, CSS, JavaScript, PHP, Apache

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## EDUCATION

Master of Science, Computer Science, *Appalachian State University*

Expected May 2024

Bachelor of Science, Computer Science, *Appalachian State University*

December 2021

Associate in Applied Science, Simulation and Game Development, *Wilkes Community College*

May 2015