

# Garrett Williams

South New Jersey/Philadelphia Area  
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## Summary of Qualifications

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- Proficient in the Unity Game Engine through university and personal projects
- Skilled in Shader Graph, URP, and Substance Painter
- Ability to document and create pipelines for creating 3D art assets

## Projects

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VR Training Simulation for Orthopedic Surgery June 2019 - Present

- Develop a VR simulation to train surgeons in the HTC Vive using the Unity Game Engine
- Collaborate with Engineering and Biomedical Art students to create and implement realistic 3D art assets and VR interactions using C#
- Presented to the Director of the Orthopaedic Oncology Center of Cooper University Health Care Dr. Tae Won Kim
- Co-authored a conference paper for the IEEE Sensors Application Symposium 2021

Game Development Youtube Channel January 2019 - Present

- Film, edit, and upload videos to my Youtube Channel “Tons of Hun Studios” including tutorials and devlogs
- Utilize the Adobe Creative Cloud to create custom graphics and animations
- Explore emerging topics in graphics, shaders, and Unreal virtual production

## Work Experience

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Virtual Reality Lab Student Worker June 2019 - Present

Rowan VR Center, Gloucester County, NJ

- Design virtual reality applications for partnered organizations (Ex. Cooper, FAA)
- Lead instructional sessions to integrate new students into our pipeline
- Communicate progress and task management with engineering students/faculty

## Education

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Bachelor of Science, Electrical and Computer Engineering Expected May 2022

Rowan University, Glassboro, NJ

GPA: 3.76/4.0

Honors/Awards: Dean’s List

## Technical Skills

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- Unity URP/Shader Graph, Blender, Hard Surface Modelling, Substance Painter, Photoshop, SteamVR

## Relevant Coursework

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- VR Systems, Math for Engineering Analysis (Linear Algebra, Differential Equations), Intro to Scientific Programming - C#, Principles of Data Structures - C++, Calculus III

## Awards/Achievements

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- Unreal Engine x Tallo Earth Day Cinematic Age 19-25 1st Place (April 2021)
- 4th Degree Black Belt, National Karate Institute (December 2020)

## Volunteer Experience

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Head/Master Instructor, National Karate Institute

January 2015 - Present