

**Ezra Hill**  
**Programmer & Technical Artist**  
[www.mobiusteapot.com](http://www.mobiusteapot.com)

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Ezra@mobiusteapot.com  
205-261-8887  
Pittsburgh, Pennsylvania

**TECHNICAL SKILLS** **Languages and Frameworks**

C#, C++, Java  
Python, Lua  
HTML5, CSS, Javascript  
PyTorch, TensorFlow

**Engines and Applications**

Blender, Maya  
Substance Painter, Substance Designer  
Adobe Illustrator, Photoshop  
Unity 5, Unreal Engine 4/5, Godot

**ACADEMIC**

*Bachelor's Degree in Computer Science* Auburn University, Spring 2022  
*Master's Program in Entertainment Technology* Carnegie Mellon, Spring 2024

*Building Virtual Worlds* Carnegie Mellon University, Fall 2022

- Rapidly prototyped in 2 week sprints with new constraints and teams per sprint. Teams consisted of 2 programmers, 2 artists, and 1 sound designer.

*Technical Animation* Carnegie Mellon University, Spring 2023

- Implemented proven and novel algorithms for processing motion capture data. Created tools for procedurally modifying animations on runtime.

**EXPERIENCE**

*Technical Artist for Lumis Corp* May - April 2020

- Created and implemented custom texture decal system for use by educators to create custom generated content for their courses.
- Defined an optimized asset pipeline and converted the existing codebase and assets, improving performance by 1100% (on target hardware).

*AR Asset Creation for Edfarm's "The Movement"* May 2021 - August 2022

- Created and implemented 3D assets based on monuments of historical significance at the Birmingham Civil Rights Institution, as part of development of an app focused on education of racial injustice in America.

*VR Development for Auburn RFID Lab* May 2021 - July 2022

- Programmed and lead production on a virtual re-creation of Auburn's RFID lab for the Oculus Quest 2, including a full physics model for RFID tag scanning.

*AR/VR Research at Auburn University* August 2018-August 2020

- Lead visual direction and provided 3D assets for a research project for an AR museum experience, in collaboration with Moundville Archaeological Park.

**INVOLVEMENT**

Lead ETC Tech TA, Carnegie Mellon, 2023  
President of TigerDev, Auburn University, 2021 - 2022  
Radio Talk Show Host for WEGL 91.1 FM, Auburn University, 2018-2020  
Eagle Scout, Boy Scouts of America, 2017