

**Ezra Hill**  
**Software Engineer / 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**

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

**Engines and Applications**

Blender, Maya  
Substance Painter, Substance Designer  
Adobe Illustrator, Photoshop  
Premiere Pro, After Effects  
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, Fall 2022

- Currently enrolled with an expected graduation of May 2024.

*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.

*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.

**EXPERIENCE**

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

- Created 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 created assets for a virtual re-creation of Auburn's RFID lab for the Oculus Quest 2, including a full physics model for RFID tag scanning.
- Implemented networked online multiplayer, and a custom networked viewing solution for streaming gameplay.

*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.

*IT Experience at Brookwood Baptist Hospital* May 2018 - April 2020

- Performed general IT maintenance on software and hardware.
- Maintained database systems for all devices on the Brookwood Baptist Network across 59 hospitals and clinics.

**INVOLVEMENT**

Club President for TigerDev, Auburn University, 2021 - 2022  
Club Officer for TigerDev, Auburn University, 2019-2022  
Radio Host for WEGL 91.1 FM, Auburn University, 2018-2020  
EA-VR Founder, Hoover High School, 2017  
Eagle Scout, Boy Scouts of America, 2017