

Lucas Robenolt

Portfolio and Projects: [website or LinkedIn URL]
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EDUCATION

Clemson University

M.S. Digital Production Arts
Dec. 2026 | Charleston, SC

Winthrop University

B.S. Computer Science
Minor Mathematics
May 2025 | Rock Hill, SC

COURSEWORK

GRADUATE

Physics-based Visual Effects
Physics-based Animation
Computer Graphics
Technical Art / Technical Direction
3D Modeling and Animation
Production

UNDERGRADUATE

Software Engineering I & II
Algorithm Analysis & Data Structures
Computer Science Theory
Calculus I & II
Differential Equations
Linear Algebra
Physics I & II

SKILLS

PROGRAMMING

C++ • Python • Java • Bash

SOFTWARE AND TOOLS

OpenUSD • OpenVDB • Git
QT/PySide • Godot • Maya
Nuke • Houdini • Blender
OpenGL • Adobe Photoshop
Adobe Premiere Pro

PROFESSIONAL

Teamwork & Collaboration
Software Design
Problem Solving & Critical Thinking

EXPERIENCE

Teaching Assistant | Winthrop University

Aug. 2024 - May 2025 | Rock Hill, SC

- I assisted students in introductory Computer Science courses which strengthened my programming and design skills
- Broke down complex topics into manageable sections for students to learn
- I would collaborate with students using a whiteboard and help them problem solve their assignments

Undergraduate Research Assistant | Winthrop University

May 2024 - July 2024 | Rock Hill, SC

- I worked with a team to develop new statistical distributions to improve the flexibility of existing ones
- We would present our findings to various groups like colleagues, or other researchers at conferences

Student Developer | Winthrop University

May 2023 - Dec. 2023 | Rock Hill, SC

- Assisted development on a data dashboard for professors to assess student performance for an NSF grant

PROJECTS

ICECREAM DODGEBALL

2026 | Clemson University - Production

Assisted the production by creating scripts to automate tasks for artists and set up the structure of the USD pipeline from Maya to the final render with Pixar's Renderman.

ASCEND AGAIN

2026 | Personal Project

Part of the technical team for programming world interactions and game/level design. It was a game made in one week for the Godot Wild Jam #90 with a team of eight people.

ACHIEVEMENTS

PRESIDENT'S AWARD FOR ACADEMIC EXCELLENCE

Winthrop University

2025 | [Link to award page](#)

WALT AND SUSAN PATTERSON AWARD

Southeastern Mathematical Association of America conference
2025

UPSILON PI EPSILON

National collegiate honor society for the computing sciences
2024 | <https://upe.acm.org/>