

Henry Paz

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EDUCATION

Computer Science (A.A) – Santa Fe College, Gainesville, FL, Dean’s List 2024

Aug. 2024

Computer Science (B.A) – CLAS – University of Florida, Gainesville, FL

May. 2027

Relevant Coursework: Introduction to Programming, Programming Fundamentals 1, Calculus 1-3, Physics 1-2, Computational Linear Algebra, 3D Modeling and Texturing(Maya).

PROJECTS

3D Hard Surface Modeling (Software Used: Autodesk Maya, Substance Painter) [Sketchfab](#)

May 2025

- Modeled a game-ready weapon using Autodesk Maya, utilizing the Multi-Cut and Bevel tools to create clean edge flow and optimized geometry for real-time engines.
- Unwrapped UVs and used a checker texture to detect and fix stretching, ensuring consistent texture scaling and efficient mapping.
- Refined details with smooth shading, supporting edge loops, and soft selection, maintaining optimized topology for seamless deformation and rendering.
- Textured the model in Substance Painter, applying PBR materials, and using smart masks for realistic wear and surface detail.

Floating Sky Fountain Environment (Software Used: Blender) [ArtStation](#)

Dec. 2024

- Designed and modeled a floating island environment, featuring a central fountain housed within a geodesic cupola, surrounded by interconnected landmasses and bridges.
- Utilized Blender’s modeling tools (Boolean, Bevel, and Subdivision Surface) to create optimized geometry with clean topology for real-time rendering.
- Unwrapped UVs efficiently and applied a sky HDRI for realistic lighting and reflections, enhancing the atmospheric depth of the scene.
- Created and applied PBR textures in Substance Painter, using smart materials and procedural masks to add natural wear and environmental details.
- Animated the water flow using Blender’s fluid simulation, adjusting flow rate, surface tension, and shading for a realistic cascading effect.

EXPERIENCE

Santa Fe College - Student Life Educational Aide

Feb. 2023 – Sept 2024

- Provide a welcoming and professional environment by greeting visitors and directing inquiries.
- Assist with ID card issuance to students and process departmental paperwork.
- Manage and screen telephone calls, providing information or directing inquiries as needed.
- Monitor access to Discord servers, the Recreation Room, and the Esports Lounge.
- Assist with various projects, including preparing marketing materials, creating spreadsheets, and event setup.
- Support Student Life events by running stations and assisting with set-up/break-down activities.
- Collaborate on marketing initiatives by designing, updating, and managing promotional materials such as posters, brochures, and web graphics.
- Coordinate with the Student Life team to ensure timely and accurate production of marketing materials.

SKILLS

- Programming Languages: JavaScript, C++, Python, React, Next.js, Html.
- Software: VS Code, Blender, Unity, Photoshop, Maya, Substance Painter.
- Languages: English, Spanish.