



Jack Yang

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caicutech.github.io

Education

**University of California,
San Diego**

B.S. in Computer Science,
Minor in Literature.
Class of 2022.

Coursework

Advanced Data Structures
Object-Oriented Design
UX + Interaction Design
Advanced Rendering
Game Design and Implementation

Data Science
Algorithm Design
Computer Graphics
Computer Animation
Computer Vision

Skills

Games + 3D Graphics:

Unity
Godot
Blender
Twine
Renpy
Embree3
OpenGL

Web + UI/UX Design:

React
JavaScript
HTML
CSS
Figma

Experience With:

Git
Unix
Adobe Photoshop
Adobe InDesign
Ableton Live
Famitracker

Experience

Intern / Contract Unity Developer

Sept 2021 - Present

FoundrySix

- Developed new features for ARealm, an Augmented Reality Dungeons & Dragons experience.
- Contributed to UNet multiplayer networking code in ARealm and other multiplayer AR experiences.
- Researched and implemented Unity plugins to improve gameplay experience in ARealm and other game projects.
- Completed several client projects, communicating with clients and implementing client feedback.

Design Lead

Sept 2019 - Feb 2020

UCSD Association for Computing Machinery

- Created a design system for the social media presence and web portal of UCSD's chapter of ACM.
- Collaborated with the Development team on ACM UCSD's original web component library.

Projects

Once Upon A Time On Mars

Apr. 2022

Designed, animated, composed, and programmed a space western arcade game over the span of a week as a solo submission to the California Inter-collegiate Game Jam. Voted "Most Likely To Get Kickstarted".

Monte Carlo Path Tracing Renderer

Jan. 2021 - Jun 2021

Programmed a real-time path tracer with realistic lighting models through UCSD's Computer Graphics and Advanced Rendering course. Studied and implemented acceleration structures, path tracing, and importance sampling.

Volunteering

Day Coordinator at Groundwork Books

Oct. 2019 - Jun. 2022

Sold books, managed staff, and organized events as part of the volunteer members of the student-run bookstore at UCSD's Student Center.