

# LUNA GARY

Los Angeles | 772-333-6490 | <https://tsukinoluna.github.io/> | ltgary@usc.edu | <https://www.linkedin.com/in/luna-gary-09398835a/>

## EDUCATION

**University of Southern California**

August 2023-May 2027

**Bachelor of Science in Computer Science Games**

Minor in East Asian Language and Cultures (Japanese)

3.63 GPA

## PROJECTS

### What's Wrong With me

January 2025-Present

- Director for first person psychological thriller made in Unity
- Developed in a semester with a partner as a class project
- Planned game's narrative
- Wrote dialogue for 8+ characters
- Designed framework as sole programmer
- Currently directing team of artists and designers to expand upon game

### A Wish Upon 6 Stars

May 2025-July 2025

- Designed and built 3d Interactive lyric video website with Three.js
- Selected entry in Magical Mirai 2025 Programming Contest
- Utilized linear algebra to design dynamically generated lyric system mimicking constellations
- Lyrics dynamically spawn on viewer's screen following camera
- Integrated hand-drawn animations into 3d environment
- Developed procedurally generated skybox elements

### Numbra

October 2025

- Made for week-long 2025 Epic MegaJam
- Teamed with other USC students
- Utilized gameplay ability system to create behavior based on shadows

## EXPERIENCE

**Video Game Programming Learning Assistant, University of Southern California**

August 2025-Present

- Advise 70+ students with C++ gameplay programming
- Hold weekly office hours and assist students in bi-weekly labs
- Code review and provide feedback for programming assignments

**Game Design Workshop Student Assistant, University of Southern California**

August 2025-Present

- Advise students on game design principles
- Suggest game design feedback on student games

**Machine Learning Intern, Max Planck Florida Institute**

January 2022-May 2023

- Collaborated with MPFI researchers on 3 research projects
- Developed a neural network to data of 84 mice neurons to behaviors
- Designed a deep-learning workflow to calculate dendritic spine density among neuron lengths from microscopy, co-authored paper published in Journal of Neuroscience with Dr. Lesley Colgan et al (<https://www.jneurosci.org/content/43/30/5432> - Under name Chancellor Gary)

**Deep Learning and Augmented Reality Researcher, Machine Perception and Cognitive Robotics Lab**

- Built deep learning pipeline to extract pose data from video footage of humans
- Researched intersection of augmented reality (AR) and machine learning

## SKILLS

Languages: C++, Python, C#, Java, R, Javascript, HTML, CSS

Frameworks: NumPy, Pandas, PyTorch, Tensorflow, Unreal Engine, Gameplay Ability System, Unity, Node.js, React, Three.js

Developer Tools: Git, GitHub, Perforce, VSCode, PyCharm, Rider, CLion

Languages: English, Japanese, Mandarin Chinese