

## ALEJANDRO ZAPATA ACOSTA

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<http://github.com/CapnSquirrel>

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### EDUCATION

**Loyola Marymount University**, Los Angeles, CA  
*Bachelor of Science Candidate, Computer Science*  
*Minor: Pure Mathematics, Animation*

Graduating May 2019  
Cumulative GPA: 3.84  
Dean's List – 6 semesters

### RELEVANT COURSES

Data Structures & Algorithms  
Programming Languages  
Interaction Design

Multivariable Calculus  
Interactive Animation(UE4)  
Motion Capture/Facial Capture

Intro. 3D Animation  
Computer Graphics  
Artificial Intelligence

### SKILLS

**Technical:** fluent in Java, Python, JavaScript, C, C++, jQuery, HTML, CSS, Photoshop CS6, Maya, Unreal Engine 4, Motion Builder, Faceware Analyzer, OpenGL.

**Languages:** Bilingual in English and Spanish (Written and Verbal), beginner Japanese (Written and Verbal).

### RELEVANT PROJECTS

*Portfolio*(<http://capnsquirrel.github.io>)

- **Jellyfish Jam in 3D:** Created a 30 second 3D animation for which every asset and animation was made from scratch. Demonstrates my experience with the general 3D animation pipeline.
- **Kawaii Kick:** Lead UE4 game programmer in a group of 15 for a 2D platforming game. Learned how to communicate with artists and the production manager in a small production environment.
- **Heart Wired:** Technical Artist for a 3D game senior thesis. Practiced Maya scripting, pipeline management, character rigging, and team management.

### RELEVANT EXPERIENCE

*LMU Summer Undergraduate Research Program (SURP)*

Summer of 2018

- Designed, pitched, and developed own research project along with faculty member Dr. Andrew Forney.
- **DunGen** is a game development tool utilizing modern causal inference tools as applicable to procedural role-playing game dungeon generation.

*Computer Science Summer Institute Extension (CSSIx) at LMU*

Teaching Assistant

Summers of 2017, 2018

- Provided support to 18 CSSIx students using deep understanding of Google cloud web application technologies resulting in functional and polished final projects and presentations.
- Responsible for logistics concerning student's room and board and transportation, creating a comfortable and stress-free experience for the CSSIx students.

### AWARDS AND ACCOMPLISHMENTS

SURP research grant

2018

Outstanding Freshman Student Award – Computer Science

2016

Social Justice Scholarship (Full-tuition)

2015

### LMU EXTRACURRICULAR

Association for Computing Machinery, Co-President  
Esports Club, Treasurer

Kyodai (Japanese Culture Club), Treasurer  
Resilience (Immigration Social Justice), Treasurer