

# Emily Shoji

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## Education

### **Loyola Marymount University**

*Bachelors of Science, Computer Science*

**Los Angeles, CA**

Expected Graduation: May 2019

#### Relevant Courses:

Data Structures	Calculus I, II, III	Interaction Design
Algorithms	Discrete Methods	Computer Systems Organization
Logic Design	Theory of Computation	Ordinary Differential Equations
Methods of Proof	Programming Languages	

## Experience & Employment

### **Loyola Marymount University Math Department**

**Los Angeles, CA**

*Rains Research Assistant*

November 2017 - Present

- Assist in compiling data about each class at the university containing statistics in course material
- Prepare, maintain and update website materials using WordPress technologies
- Interact with faculty across campus to request materials or coordinate data collection

### **Loyola Marymount University Children's Center**

**Los Angeles, CA**

*Caregiver & Teacher's Assistant*

September 2016 – December 2017

- Respect children and encourage them to be a protagonist in their own environment
- Make effort to create trusting relationships with the 12 children as well as with others in different classrooms
- Help teachers with children's daily routines (feeding, diaper changing etc.) at a National Association for the Education of Young Children (NAEYC) accredited center
- Maintain a healthy and safe environment for children

### **Google Computer Science Summer Institute Extension at LMU**

**Los Angeles, CA**

*Teaching Assistant*

July – August 2017

- Aid student participants in their coding and web development projects
- Demonstrate responsibility and LMU's mission in and outside the classroom
- Help instructors with program planning and setup each day
- Facilitate student adjustment to the University and to their residence halls

## Notable Projects

- **Sentinel** – Implements a Hash Table made of LinkedLists in Java to analyze the positive or negative sentiment in a given statement.
- **Pokémon Searcher** – Using the PokeAPI, Bootstrap and jQuery can search for Pokémon by their ID or name, list all Pokémon of a type or show the first 20 Pokémon.
- **Maze Creator Game** – Implements direct-manipulation and multi-touch capabilities on smart phones, Users can drag to draw, move and delete maze walls, then tilt the phone's accelerometer to move the ball around the screen.

## Additional Skills

- Fluency in Java, JavaScript, jQuery, Python, HTML, CSS
- Experience with C++, Elm, Bootstrap, Node.js, Google App Engine Technologies

## Extracurricular Activities

### **Association for Computing Machinery (ACM) at LMU**

**Los Angeles, CA**

*Member*

2015 - Present