Emily Shoji

1 LMU Dr. MSB 6023 Los Angeles, CA 90045 **|** (206) 914-4587 **|** emily.shoji@gmail.com
https://github.com/itsEmShoji, https://itsemshoji.github.io/ , https://www.linkedin.com/in/emily-shoji/

Education

Loyola Marymount University   **Los Angeles, CA**
Bachelors of Science, Computer Science   Expected Graduation: May 2019
Courses

Data Structures	Theory of Computer Science	Databases	Intro to Methods of Proof
Algorithms	Computer Systems Organization	Artificial Intelligence	Ordinary Differential Equations
Operating Systems	Programming Languages	Discrete Methods	Multivariable Calculus

Experience & Employment

Loyola Marymount University   **Los Angeles, CA**
Computer Science Teaching Assistant   August 2018 – Present

- Assist computer science students with problems and questions related to projects, homework
- Be a resource for students in the department in and out of the classroom
- Assist the Lab Manager with tasks such as organization of events, lab maintenance, etc.

Google Computer Science Summer Institute Extension at LMU   **Los Angeles, CA**
Teaching Assistant   July – August 2018

- Aid student participants in their web development projects using Google App Engine in Python 2.7, CSS, HTML
- Organize, order, pickup and set up meals for students each day
- Help instructors with program planning and setup each day
- Facilitate student adjustment to the university and to their residence halls

Loyola Marymount University   **Los Angeles, CA**
Rains Research Assistant   November 2017 – May 2018

- 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

Notable Projects

- **Nebula** – Currently in production, a "special programming" language intended for game development environments to be used in a virtual reality setting
- **LionHouse** – Created using Python, HTML, CSS, and hosted on the Google Cloud with Google App Engine, A forum type site for users to converse with each other. Also incorporates
- **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

- **Fluent** in Java, JavaScript, jQuery, Python, HTML, CSS, C++
- **Experience** with C, Elm, Bootstrap, Node.js, Google App Engine Technologies, JSON, OpenGL
- **Beginner** in Amazon Web Service Technologies

Extracurricular Activities

Association for Computing Machinery (ACM) at LMU   **Los Angeles, CA**
Member   2015 - Present