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, Minor in Pure Mathematics Expected Graduation: May 2019

Courses

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

Experience & Employment

Computer Science Teaching Assistant **Los Angeles, CA**
Loyola Marymount University 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.

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

- Aid student participants in their web development projects using Google App Engine in Python 2.7, CSS, HTML and Google Datastore
- 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

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

- Assist in compiling data about 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

Notable Projects

- **Mobiedock** – a solution to Los Angeles' dockless micromobility problem. The application to track station locations and information will be developed using React Native, in collaboration with LMU's Engineering and Entrepreneurship Departments.
- **Nebula** – a functional 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 & 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 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, Bootstrap, Node.js, Google App Engine Technologies, JSON, OpenGL, WordPress, MySQL, PostgreSQL
- **Beginner** in Amazon Web Service Technologies, MongoDB, Neo4J, Elm, React
- **Other Technologies –** Github, MacOS, Linux, Windows, Microsoft Office