Eileen Choe

echoe@lion.lmu.edu | cell: (310) 569 - 0394 | github.com/eileenchoe
4114 Michelle Dr., Torrance, CA 90503

EDUCATION

Loyola Marymount University (LMU) Los Angeles, CA   AUG 2014 – MAY 2018 (expected)
B.S. Computer Science, Minor in Applied Mathematics | University Honors Program | GPA: 4.0
Study Abroad: Rome (Art & Theology) SUMMER 2015 & Bonn, Germany (Engineering) FALL 2015

EXPERIENCE

NASA Jet Propulsion Laboratory   *Academic Part Time Intern*   AUG 2016 to JAN 2017
                                     Engineering Intern   JUN 2016 to AUG 2016
Developed a Java program to analyze and generate reports of CubeSat parts lists.
Wrote a data compression program in MATLAB for thermopile detector aging tests.
Reviewed GIDEP-issued alerts of electronic parts, and assessed risk to JPL projects.

Raytheon Space and Airborne Systems   *Engineering Intern*   MAY 2015 to AUG 2015
Collaborated on a rectifier diode qualification. Researched and evaluated electrical and quality
testing, and presented conclusions to program managers.
Performed semiconductor component obsolescence reviews.

ADDITIONAL EXPERIENCE

GRNsight   *Research Developer*   JAN 2017 to PRESENT
http://dondi.github.io/GRNsight/
Improves testing suite for GRNsight, a web application and service for visualizing small- to
medium-scale gene regulatory networks.

LMU Seaver College of Science and Engineering   *Teaching Assistant*
CMSI186 Programming Laboratory (Java)   JAN 2017 to PRESENT
ENGR160 Algorithms and Applications (MATLAB)   JAN 2015 to MAY 2016
Assisted students with questions regarding homework assignments and programming concepts.

LMU Center for Service & Action   *Alternative Breaks Coordinator*   SEP 2014 to MAY 2015
Coordinated Alternative Break (AB) social justice immersion trips to Haiti and Puerto Rico.

PUBLICATIONS

Programming Languages Explorations   *Co-Author*
Toal, Ray; Rivera, Rachel; Schneider, Alex; Choe, Eileen. *Programming Language Explorations*.
Taylor & Francis Group. 20 September 2016.

PROFESSIONAL MEMBERSHIPS

Society of Women Engineers (SWE), Member   AUG 2014 to PRESENT
        LMU Chapter Vice President & Region B Future Leader   AUG 2016 to PRESENT

HONORS / AWARDS

LMU Presidential Scholarship Recipient   AUG 2014 – PRESENT
Sr. Peg Dolan, RSHM Award (LMU Service and Leadership Award)   MAY 2015
Outstanding Freshman & Sophomore Engineer (Highest GPA in Major)   MAY 2015 & MAY 2016

Skills
Coding:
Proficient—Java,
JavaScript, HTML, CSS,
MATLAB
Familiar—C/C++

Frameworks and Tools:
Bootstrap, jQuery, Git

Selected Coursework
(In Progress)
Algorithms
Computer Architecture
Computer Systems Org
Computer Graphics
Discrete Math

(Completed)
Data Structures
Interaction Design
Probability & Statistics
Methods of Proof
Logic Design
Java Programming Lab
Ordinary Diff. Eq.
Electric Circuit Analysis
Physics: Mechanics,
Electricity & Magnetism

References available upon
request.