Eileen J. Choe

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EDUCATION

LOYOLA MARYMOUNT UNIVERSITY (LMU)
Los Angeles, CA

BS IN COMPUTER SCIENCE
Expected May 2018
Minor in Applied Mathematics
University Honors Program
Cum. GPA: 4.0 / 4.0

SKILLS

PROGRAMMING
Proficient:
Java • JavaScript • Matlab • HTML • CSS
Familiar:
C • C ++ • Python

FRAMEWORKS AND TOOLS
Express • Angular • d3 • Node.js • Git

COURSEWORK

(In Progress)
Theory of Computation
Programming Languages
Databases
Software Engineering Lab

(Completed)
Data Structures & Algorithms
Programming Languages
Interaction Design
Computer Systems Organization
Computer Graphics

(Study Abroad)
Christianity & Art in Rome (Summer 2015)
Engineering in Bonn, Germany (Fall 2015)

SOCIETIES

Association for Computing Machinery
Society of Women Engineers
• LMU Section President
• Region B Collegiate Comm. Editor
Alpha Sigma Nu (Jesuit Honors Society)
• LMU Section Secretary

EXPERIENCE

BLUE ORIGIN | SOFTWARE ENGINEERING INTERN
June 2017 – August 2017 | Kent, WA
• Developed interactive user interfaces using Angular for enterprise web applications used for rocket development and manufacturing.
• Used redux to implement client-side state management for part serial numbers.
• Integrated a self-hosted analytics platform to track and analyze user data.

NASA JET PROPULSION LABORATORY | ENGINEERING INTERN
June 2016 – January 2017 | Pasadena, CA
• Developed data compression and analysis scripts in Matlab for a thermopile detector aging study, reducing individual test analysis time by over 50%.
• Built a Java application to automate monthly reliability report generation and analyze risk for JPL programs.

RAYTHEON SPACE AND AIRBORNE SYSTEMS | ELECTRICAL ENGINEEERING INTERN
May 2015 – August 2015 | El Segundo, CA
• Assessed the risk of a rectifier diode through research and qualification testing to characterize suitability for use in Raytheon products.
• Performed parts obsolescence reviews and drafted Raytheon Vendor Control Drawing and Change Notice documents.

ADDITIONAL EXPERIENCE

GRNSIGHT | UNDERGRADUATE RESEARCHER
Jan 2017 – Present | Los Angeles, CA
Currently developing a node coloring feature to visualize gene expression data for **GRNsight**, a web application and service for visualizing gene regulatory networks.

LOYOLA MARYMOUNT UNIVERISTY | TEACHING ASSISTANT
• CMSI 186 - Programming Laboratory   Spring 2017
• ENGR 160 - Algorithms and Applications   Spring 2016

LOYOLA MARYMOUNT UNIVERISTY | ALTERNATIVE BREAKS COORDINATOR
September 2014 – June 2015 | Los Angeles, CA
• Coordinated alternative break (AB) social justice immersion trips to Haiti & Puerto Rico with the LMU Center For Service and Action.
• Co-directed the 2015 AB Film Festival, which featured 7 films about participants' AB experiences.

PUBLICATIONS

Ray Toal, Rachel Rivera, Alexander Schneider, and **Eileen Choe**. 2016. Programming Language Explorations. Chapman & Hall/CRC.

AWARDS

2014 - 2018	Academic Scholarship	LMU Presidential Scholarship
2015 - 2017	Highest GPA in Major	Outstanding Engineer Award