Luis Gardea

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EDUCATION

STANFORD UNIVERSITY | B.S. in Computer Science Candidate, class of 2017
Sep 2013 - Present | Stanford, CA
- GPA - 3.67

EXPERIENCE

FITBIT | Software Engineering Intern
June 2016 - Present | San Francisco, CA
- Worked as part of the Fitstar platform team. Fitstar is a digital fitness company that specializes on generating dynamic workouts; it was acquired by Fitbit.
- Developed feature that allowed the customization of a specific type of workout to match a certain duration while preserving the formula of the workout; written in Go
- Wrote API to modify the method of retrieving user sessions (workouts) to be stored in new data structures and allowing the user access to more options and categories of workouts; written in Ruby on Rails

QUALCOMM | Software Engineering Intern
June 2015 – Sept 2015 | San Diego, CA
- Designed and implemented an auto-triage tool to be utilized for debugging the Management Layer 1 in LTE Modems. The tool determines the module or modules responsible for a deadlock crash that occurs in LTE Modems and returns information that may be useful. Code will be put into production and distributed to millions of phones using Qualcomm LTE Modems.
- All code for the tool was written in C and code for testing was written in C++

EL PASO ELECTRIC COMPANY | Information Technology Intern
June 2014 – Aug 2014 | El Paso, TX
- Administered IT Operations on company intranet, particularly dealing with cyber-security. Aided with the installation of encryption software on employee computers. Actively participated on company computer refresh project. Created several logos that were utilized as icons for company software, using Adobe Illustrator

COURSEWORK

COMPUTER SCIENCE
- I have Machine Learning (**CS 229**), Artificial Intelligence (**CS 221**) as well as Introduction to Computer Graphics (**CS 148**), Compilers (**CS 143**), computer systems, organization, C programming and x86 architecture (**CS 107**, **CS 110**), computer science probability and math (**CS 109**, **CS 103**), web applications (**CS 142**), design and analysis of algorithms (**CS 161**), and (**CS 205A**), which teaches mathematical methods in computer vision, graphics, and robotics. Currently, I am enrolled in Intro to Computer Vision (**CS 131**) and Linear Dynamical Systems (**EE 263**).

OTHER
- Have taken classes such as: Linear Algebra (**Math 51**), Applied Matrix Theory (**Math 104**), Mechanics and E&M (**Physics 41** and **43**), and ODEs for Engineers (**CME 102**)

ADDITIONAL INFORMATION

PROGRAMMING
Experience in C/C++, Python, Go, Ruby (Rails), JavaScript, HTML, CSS, LaTeX
Some exposure to Java, MATLAB, Swift

ADDITIONAL INFORMATION
Had a side project last year and built my own electric guitar
I love listening to and playing music (jazz, acoustic, rap, metal, rock, indie, folk, etc.)
I thoroughly enjoy playing video games
Fluent, with native speaking and writing proficiency, in both English and Spanish