

Luis Gardea

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EDUCATION

STANFORD UNIVERSITY | B.S. IN COMPUTER SCIENCE, CLASS OF 2017

Sep 2013 - June 2017 | Stanford, CA

- GPA - 3.7

EXPERIENCE

FITBIT | SOFTWARE ENGINEER - FITBIT COACH BACKEND

Sep 2017 - Present | San Francisco, CA

- Working as part of the Fitbit Coach (formerly Fitstar) backend team, maintaining and developing our API and various microservices; working in Ruby on Rails and Go

FITBIT | SOFTWARE ENGINEERING INTERN

June 2016 - Sept 2016 | San Francisco, CA

- Worked as part of the Fitstar platform team. Fitstar is a digital fitness platform that specializes on generating dynamic workouts; acquired by Fitbit.
- 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
- 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

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++

COURSEWORK

- I have taken courses on 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, Computer Vision (**CS 131**) and Linear Dynamical Systems (**EE 263**).

ADDITIONAL INFORMATION

PROGRAMMING

Experience in C/C++, Python, Java/Android, Go, Ruby (Rails), JavaScript, HTML, CSS, \LaTeX , MATLAB

ADDITIONAL INFORMATION

Built my own electric guitar at the woodshop at Stanford's PRL as a personal project.

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