

# Luis Gardea

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Website: <http://luisgardea.com>

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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 backend team, maintaining and developing our API and various microservices; mostly working in Ruby on Rails and Go
- Own and maintain purchasing service and implemented purchase processing and validators for Apple IAP and Windows Store (UWP), as well as support for auto-renewing subscriptions
- Implemented native Fitbit authentication in the Fitbit Coach app in an effort to unify separate stacks and user bases, as well as to leverage Fitbit APIs

### **FITBIT** | SOFTWARE ENGINEERING INTERN

June 2016 - Sept 2016 | San Francisco, CA

- Worked as part of the Fitstar (now Fitbit Coach) platform team. Fitstar was a digital fitness platform that specialized on generating dynamic, personalized workouts; acquired by Fitbit.
- Wrote API to extend the use and functionality of user sessions (workouts), working with constraints to allow users to access 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.
- Written in C and testing code 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,  $\text{\LaTeX}$ , 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.)

Mechanical watch enthusiast

Fluent, with native speaking and writing proficiency, in both English and Spanish