

# Luis Gardea

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## EDUCATION

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

Sep 2013 - June 2017 | Stanford, CA

## EXPERIENCE

### **ZOOX** | SOFTWARE ENGINEER L3 - INFRASTRUCTURE

Jan 2019 - Present | Foster City, CA

- Key full-stack engineer for the Robot Data Platform subteam, responsible for storage of vehicle data, ingestion and data processing, surfacing said data to various consumers, and triaging; mostly working in Python, C++
- Responsible for maintaining vehicle data framework and data frontend and backend services
- Build and maintain ingestion and data processing pipelines, which involve cross-team collaboration and planning with data producers
- Led security effort for data access by implementing authentication for internal services, continually working to improve security in other areas
- Collaborate closely with data science team to ensure data integrity, tracking of metrics and events in logs, aid with DMV reporting
- Collaborate closely with QA team in supporting event triage as part of ingestion pipeline

### **FITBIT** | SOFTWARE ENGINEER - FITBIT COACH BACKEND

Sep 2017 - Jan 2019 | San Francisco, CA

- Worked as part of the Fitbit Coach backend team, developing and maintaining our APIs and various microservices; mostly working in Ruby on Rails and Go
- Owned and maintained purchasing service; 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
- Developed beta testing capabilities for testing unreleased workouts in production

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

June 2016 - Sept 2016 | San Francisco, CA

- Worked as part of the Fitstar (now Fitbit Coach) backend 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

## ADDITIONAL INFORMATION

### **PROGRAMMING**

Experience with Python, C/C++, JavaScript (Vue), Java/Android, Bazel, Ruby (Rails), Go, HTML, CSS,  $\LaTeX$ , MATLAB

### **COURSEWORK**

I have taken courses on machine learning (**CS 229**), artificial intelligence (**CS 221**), compilers (**CS 143**), algorithms (**CS 161**), numerical analysis (**CS 205A**), as well as computer systems and architecture, probability, and web applications.

### **ABOUT ME**

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 proficiency in English and Spanish