81 Landers Street   **Rafael Fueyo-Gomez**   r.fueyogomez@gmail.com
San Francisco, CA 94114   713-598-9828

Education

California Institute of Technology
Pasadena, CA

Major: Computer Science
June 2019

Tracks: Machine Learning & Artificial Intelligence, Robotics

Skills

Languages	**Technologies**
Python, JavaScript (proficient)	Django, Vuex, PostgreSQL, Git (proficient)
Java, SQL, C/C++, oCaml/Haskell	DynamoDB, AWS

Work Experience

WanderJaunt
Dec 2019 -Mar 2020

Software Engineer Fullstack   Django (Python), Vuex (JavaScript)

- Completed the majority of the basic testing framework for the housekeeper routing algorithm
- Created a robust, auto-resolving system of work orders for operations personnel for problematic smart locks and hubs at properties

Tinder
Jun-Aug 2018

Summer Intern, Backend Platform Engineering   Java, SQL, Scala

- Cut race condition occurrence down by 95% that hid users' matches by implementing a highly scalable backend service
- The service ordered events using PostgreSQL, provided robustness with DynamoDB as persistence, and provided speed using a Redis cache
- Summer Intern Hackathon Second Place Winner

Jet Propulsion Laboratory, NASA
Jun-Aug 2017

Summer Intern, Group 347E Robotics   Python, JavaScript

- Created a backend plugin on OpenMCT software for metric tracking of military grade USV boats undergoing tests
- Collected and graphed live data using a publisher/subscriber model

California Institute of Technology
Jul-Sept 2016

Summer Intern, TAPIR Laboratory (Theoretical Physics Group)   Python

- Connected a photo tool with a galaxy simulator to create IMAX movies
- Created paths in three dimensional space using interpolation of key points

Additional Selected Projects

Network Simulator, Caltech
2018

- Created a simulator from scratch containing routers, flows, and TCP control   Python

Activities

Men's Soccer Team, Caltech Athletics Division III
2015-2019

- Practiced for 10-20 hours weekly + games during the season