

Ismael Izzy Gomez

702.308.8493 • izzy@izzy.gg • izzygomez.com

Education

Massachusetts Institute of Technology

Cambridge, MA

Bachelor of Science in Computer Science and Engineering

Graduated 2017

Master of Engineering in Electrical Engineering and Computer Science

Expected 2018

Select Coursework: Design and Analysis of Algorithms, Computer System Engineering, Network and Computer Systems Security, Computational Structures, Artificial Intelligence, Differential Equations, Linear Algebra

Experience

Yelp*

San Francisco, CA

Software Engineer Intern

Fall 2017

- Working on Distributed Systems, implementing connector logic for Kafka and Flink stream processing

Facebook

Menlo Park, CA

Software Engineer Intern

Summer 2017

- Designed and implemented privacy checks in backend ads infrastructure on Messenger Ads team.

Natural Language Processing Group, MIT CSAIL

Cambridge, MA

Undergraduate Researcher

Sept 2016 - Jan 2017

- Led development on full-stack application using machine learning models to auto-classify medical data.

Amazon Lab126

Sunnyvale, CA

Software Engineer Intern

Summer 2016

- Developed the use of machine learning models to optimize memory footprint of e-reader (Kindle) content.

AlphaSights

New York, NY

Software Engineer Intern

Jan 2016

- Worked alongside the software engineering team on an in-house app built on Ember.js and Rails.

Various Research Groups at MIT Labs

Cambridge, MA

Undergraduate Researcher in {A: CSG @ CSAIL, B: CP @ Media Lab}

Spring - Summer 2015

- A: Tested and debugged the compiler of a Fresh Breeze multiprocessor chip, an architecture simulated in Java optimized for high-performance, parallel computation;
- A: Developed benchmark program implementing the Hartree-Fock quantum approximation algorithm.
- B: Developed and programmed interface between an algorithmic analysis package in MATLAB to a prototype hardware system of modular, pressure-sensitive sheets run using an Arduino and ATmega8 boards.
- B: Model k-means clustering algorithm to identify individual footsteps on the pressure-sensitive sheets; analyze footsteps and corresponding centroids to predict walking behavior.

Pololu Corporation

Las Vegas, NV

Electrical and Software Engineer Intern

Summer 2014

- Designed and tested printed circuit board for A4990 Dual Motor Driver Shield for Arduino using Altium PCB Designer, and developed corresponding Arduino software library.

Skills

Languages: Python, C/C++, Java, Scala*, Javascript, PHP/Hack, HTML, CSS

Tools: Zsh, Emacs, MongoDB, Docker, Kafka*, Flink*, Meteor, AWS, Heroku, L^AT_EX, Git, OS X

Interests: Machine Learning, Virtual Reality, Design, Personal Analytics, Writing, Athletics

*in progress