

# Mark Jajeh

mark.l.jajeh@gmail.com

(650)-455-3016



## Technical Skills

**Languages:** Python, C++, MATLAB, Swift, MySQL, Java

**Technologies:** iOS, Git, NumPy, Pandas, Labview, AutoCAD, Latex

**Other:** Linux, Hadoop, PIG, Spark, AWS, GLPK, OpenCV

## Engineering Experience

### **Fleet (startup)**

Software Engineer

- Part of 3 person team responsible for entire iOS app implementation
- Individual focus on 3rd party API integration (Facebook, Google, Yelp)
- Recommendation system design and implementation in python

San Francisco, CA

August 2015-August 2016

### **San Francisco Airport**

Electrical Engineer (Intern)

- Waste Optimization Project: reorganized waste bin layout throughout entire airport, estimated \$1 million project
- AutoCAD design with a focus on electrical wiring layouts

Millbrae, CA

Summer 2015

### **Lickenbrock Technologies**

Signal Processing Engineer (Intern)

- Multimodal imaging project: Designed and built autonomous imaging system for unobtrusive heat signature mapping of aircraft parts (Matlab & c++)
- Software and Hardware development for imaging system

St. Louis, MO

Spring 2015

## Education

### **Washington University in St. Louis**

M.S. Computer Engineering

B.S. Electrical Engineering

B.S. Systems Engineering

St. Louis, MO

August 2016

### **Saint Mary's College of California**

B.S. Physics

Moraga, CA

### **Advanced Coursework**

Computational Physics

Database Management Systems

Cloud Computing with Big Data

Operations Research

Machine Learning

Digital Signal Processing

Multi-Agent Systems

Quantum Computing

Quantitative Image Processing

Stochastic Process

Geometric Computing

Principles of Electronic Devices

## Projects

- Automatic Guitar Tuner hardware and accompanying iOS App. (Swift, Objective-C)
- Sports Scheduling algorithm design and analysis with integer programming. (MATLAB/Python)
- K-mer Kernel counting for measuring Genetic Distance. (Python/C++)
- NBA database and public API (MySQL, Python, Numpy, Pandas)