

# Hanumant (Om) Mahida

ommahida.co | (856) 266-0244 | ommahida@gmail.com

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## EDUCATION

### Drexel University

B.S. in Computer Engineering

Philadelphia, PA

(Expected) June 2017

## EXPERIENCE

### MedCrypt

Software Engineering Intern

Philadelphia, PA

October 2016 to Present

- Integrating cryptography libraries to embedded devices in Embedded C
- Designing Key Management System for secure key exchange and management of devices

### Fireflies A.I.

Engineering Lead

Cambridge, MA

December 2015 to August 2016

- Lead system architect design and implemented Node.js platform that was able to handle over 10,000 users
- Built framework to support Slack App and Facebook Messenger APIs
- Deployed machine learning algorithms to help classify data in messages and emails with 98% success rate

### Fireflies Delivery

Developer

June 2014 to December 2015

- Designed UI and developed an iOS application in Swift which was used by over 500 users
- Integrated more than 10 APIs including Braintree, Parse, Facebook, Alohar, MapKit, and Fabric

### Lockheed Martin

Systems Engineering Co-Op, Digital Signal Processing

Moorestown, NJ

April to September 2015

- Developed radar signal processing algorithms in MATLAB improving overall simulation accuracy and speed
- Refactored ten-year-old code base to improve functionality and update legacy code

### Lockheed Martin

Systems Engineering Co-Op, Aegis Display System

Moorestown, NJ

April to September 2014

- Developed automated regression software using Sikuli to verify GUI
- Built automation software architecture for automation scripts in Jenkins with Bash

## PROJECTS & HACKATHONS

### Neural Networks to Correct Inertial Measurements, Senior Design Lead

September 2017 to Present

- Implementing Attitude Heading Reference System and localization algorithms in MATLAB and Node.JS
- Developing object tracking for a quadcopter using OpenCV and Python

### Dragon Hacks, 1<sup>st</sup> Place Overall: M.S.Q.

January 2015

- Built Google Glass and Myo controlled quadcopter with an Intel Edison as the server

## LEADERSHIP & ACTIVITIES

### Drexel Hyperloop, Software Subsystem Lead

August 2015 to January 2016

- Leading software team of twenty students to integrate numerous control systems
- Designing system architecture and Android app UI for pod users

### Drexel Theme Park & Entertainment Design Club, Project Lead

August 2013 to July 2015

- Designed and built a 3D printed animatronic dragon controlled through a Node.js web server

## LANGUAGES AND SKILLS \*Most familiar with

MATLAB*	Swift	XCode	Java	CUDA	Meteor	CSS/HTML
Node.js*	Jython	Python*	C	Machine Learning*	Linux*	Javascript

## AWARDS

- Top 3 in final round of MIT Bitcoin competition for Fireflies App
- Lockheed Martin Human Centered Systems SPOT AWARD
- SpaceX Hyperloop Competition qualification to final round out of over 1,000 teams

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LinkedIn

[www.linkedin.com/in/ommahida](http://www.linkedin.com/in/ommahida)

GitHub

[www.github.com/om23](http://www.github.com/om23)

DevPost

[www.devpost.com/om23](http://www.devpost.com/om23)