

# Hanumant (Om) Mahida

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

---

## 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 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 iOS application in Swift 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 10-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 with scripts in Jenkins with Bash

## PROJECTS & HACKATHONS

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

September 2017 to Present

- Developing quadcopter object tracking using OpenCV and Python
- Implementing Attitude Heading Reference and 3D localization algorithms in MATLAB and Node.JS

**Dragon Hacks, 1<sup>st</sup> Place Overall**

January 2015

- Controlled quadcopter with Google Glass and Myo through Node.js server

## LEADERSHIP & ACTIVITIES

**Drexel Hyperloop, Software Subsystem Lead**

August 2015 to February 2016

- Lead software team of 20 students to integrate numerous control systems
- Designed 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 3D printed animatronic dragon controlled through 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

SpaceX Hyperloop Competition finalists out of over 1,000 teams

2016

Top 3 in final round of MIT Bitcoin competition for Fireflies App

2015

Lockheed Martin Human Centered Systems SPOT AWARD

2014

---

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)