

# Hanumant (Om) Mahida

ommahida.co

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## EDUCATION

### Drexel University

B.S. in Computer Engineering, Minor in Computer Science

Philadelphia, PA  
(Expected) June 2017

## EXPERIENCE

### Fireflies

Co-Founder, Developer

Remote  
June 2014 to Present

- Designed and developed an iOS application as client-side with cloud-based backend
- Integrated more than 10 APIs including Braintree, Parse, Facebook, Alohar, MapKit, and Fabric
- Launched beta app at MIT and Drexel gaining over 500 users with 1,000 transactions and growing

### 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 remove unnecessary legacy code
- Modeled algorithm requirements for a solid state radar array using Rhapsody

### Lockheed Martin\*

Systems Engineering Co-Op, Aegis Display System

Moorestown, NJ  
April to September 2014

- Developed automated regression software using Sikuli to verify graphical user interface
- Created automation software architecture for automation scripts in Jenkins with Bash
- Analyzed real-time command system data for networking, firmware, and software issues

\* **Department of Defense Secret Level Clearance granted May 2014**

## PROJECTS & HACKATHONS

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

January 2015

- Produced Google Glass and Myo controlled quadcopter communicating through an Intel Edison

### Animatronic Dragon, Electrical Lead, Project Lead

October 2013 to August 2014

- Responsible for mechanical and electrical project integration on team of ten students
- Developed on Raspberry Pi to control servos for the wings, neck, tail, and eye lids

## LEADERSHIP & ACTIVITIES

### Drexel Hyperloop, Software Subsystem Lead

August 2015 to Present

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

### Drexel Robotics Club, Vice President

August 2014 to Present

- Led workshops on programming and controlling a quadcopter through node.js

### Drexel Math Club, Treasurer

August 2013 to July 2014

- Handled budget and spending for thirty-member club of undergraduate students

## LANGUAGES AND SKILLS \*Most familiar with

Matlab*	Swift*	XCode*	Java	Android	CSS	HTML	C
Raspberry Pi*	Jython*	Python	Objective-C	Bash	Linux*	Javascript	Assembly

## AWARDS

Awesome Award in final round of MIT Bitcoin competition for Fireflies App

Lockheed Martin Human Centered Systems SPOT AWARD

Overall Competition Winner at the Ryerson University Invitational T.H.R.I.L.L. Design Competition

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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)

ChallengePost

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