

Hanumant (Om) Mahida

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EDUCATION

Drexel University

Philadelphia, PA *B.S. in Computer Engineering*

(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
 - Designed and 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 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

Lockheed Martin

Moorestown, NJ *Systems Engineering Co-Op, Digital Signal Processing*

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

Lockheed Martin

Moorestown, NJ *Systems Engineering Co-Op, Aegis Display System*

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

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

Dragon Hacks, 1st 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 for pod users

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	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

LinkedIn

www.linkedin.com/in/ommahida

GitHub

www.github.com/om23

DevPost

www.devpost.com/om23