Hanumant (Om) Mahida

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EDUCATION

Drexel University   Philadelphia, PA
B.S. in Computer Engineering   (Expected) June 2017

EXPERIENCE

MedCrypt   Remote
Software Engineer   October 2016 to Present
- Using node-ffi to creating bindings to a C/C++ cryptographic and networking library
- Designing Key Management System for secure key exchange and management of devices

Fireflies A.I.   Cambridge, MA
Engineering Lead   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   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 10-year-old code base to improve functionality and update 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 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, *1st 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 | GitHub | DevPost |
| www.linkedin.com/in/ommahida | www.github.com/om23 | www.devpost.com/om23 |