Micah Thomas

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U.S. Citizen
Houston, TX, 77089

Education:

<u>University of Houston **8/2013 - Present**</u>
- Bachelor's of Science in **Computer Engineering**
- Current Status: Junior
- Expected graduation date: 12/2017

Hackathons:

<u>Houston Hackathon and CodeRED **Spring 2015**</u>
- Vincent:
    - Crime predicting for the Houston Police Dept. using machine learning
    - Later met with HPD officers over a span of 6 months to further understand their process of fighting crime from the beat to the analytical side

Work Experience:

<u>Co Founder of RaptorBird Robotics, **3/2014 - 10/2015**</u>
- Played lead developer role
    - Research and implementation of products using hardware and software
    - Created Open Source GUI code editor for embedded hardware
- Co-invented RAVN, a smart drone development platform. Primarily in software.

<u>Co Founder of Parabyte Intelligence, **10/15-01/16**</u>
- Played lead developer role
- Worked on a civic project to help the City of Houston search their spending history
- Received cash and award from City of Houston to further pursue and implement

<u>QuoteNinja,</u> **04/15 - 07/15**
- Lead Developer
- Cloud based quoting tool which increased the number of large orders for a warehouse.
- Node JS Server that consumes shopping cart APIs
- AngularJS Front end that captures incoming quotes, and provides a dashboard for users to respond to quotes with custom pricing and templates.

<u>Software consulting Projects</u>**:**
- <u>Product Grabber:</u> Software product information & pricing tool which reduced a warehouse's month's worth of labor to 24 hours of computation. Created crawler that can interact with single page JavaScript applications to extract relevant information. Developer role. **10/15 - 4/16**

Crowdfunding Experience:

<u>RAVN Smart Drone Development (Kickstarter) **12/14**</u>:

- Drone development tool which allowed common drones to be programmed at a high level

Startup Accelerator Experience:

Alumni of RED Labs Startup Accelerator **2/2014 - 8/2014**

- University of Houston Startup accelerator
- Worked in a team to build up a company (RaptorBird Robotics)
- Met and learned from investors, lawyers, entrepreneurs, instructors, and other startups across many stages
- Learned how to engage with many diverse groups of people which are critical to any company's growth

Special Skills:

- Software Dev:
  - Languages
    - Python *(strong working proficiency)*
    - Processing/Arduino *(fairly proficient)*
    - C/C++ *(fairly proficient)*
    - Java *(fairly proficient)*
  - DB
    - MongoDB (NoSQL)
    - RethinkDB (NoSQL Real-Time)
    - SQLite
  - Version Control
    - Git (Github, Bitbucket)
  - Virtual Servers/Cloud computing
    - AWS
    - Azure
    - Digital Ocean
  - Docker (*fairly proficient*)
  - Lean/Agile Software Dev
  - OS
    - Linux (Ubuntu, Debian, Arch-Linux)
      - Proficient in setting up cloud instances
      - Uses Arch-Linux as my primary OS.
      - Knows how to compile packages from source code.
      - Proficient in command line
- Mathematical
  - Statistics
  - Calculus
  - Linear Algebra
  - Discrete