LUKE HURST

(989) · 277 · 7714 | hurstlj@umich.edu
1114 Propect Ave, Ann Arbor, MI 48104

EDUCATION

University of Michigan, Ann Arbor **GPA: 3.6/4.0**
Bachelor of Science in Computer Science & Engineering *April 2017*
Classes Taken:

- EECS280: Programming and Data Structures
- EECS281: Data Structures and Algorithms
- EECS285: Practical Java Programming
- EECS370: Intro. to Computer Organization
- EECS376: Foundations of Computer Science
- EECS484: Database Management Systems

EXPERIENCE

TD Ameritrade May 2015 - August 2015
Advanced Technology Intern *Ann Arbor, MI*

- Collaborated with social media, business, and Advanced Technology teams to identify design requirements for an application that monitors social media traffic and aids customer service
- Designed a solution that makes queries to Twitter's REST API periodically and displays resulting tweets
- Implemented a custom web application client using JavaScript, HTML, and CSS and a custom server backend using JavaScript with Node.js and Express.js
- Communicated necessity of product to COO and business executives which led to product adoption
- Brainstormed future expansion such as mobile availability and multiple social media streams

Michigan Autonomous Aerial Vehicles September 2014 - Present
Developer *Ann Arbor, MI*

- Developed computer vision and path planning software for controlling an autonomous aerial vehicle
- Implemented A-star path planning algorithm to enable obstacle avoidance for aerial vehicle
- Designed competitive strategy for prioritizing ground robots to target and interact with
- Competed in a 2015 International Aerial Robotics Competition and placed 2^{nd} in United States division

Recreational Sports September 2013 - Present
Building Supervisor *Ann Arbor, MI*

- Promoted in Fall 2015 from entry level position at the request of a current Building Supervisor
- Assisted patrons as a customer service representative by acquiescing requests and handling complaints
- Handled cash and credit card transactions and was responsible for periodic tender summaries
- Developed leadership skills by creating a positive work environment and mentoring new employees

TECHNICAL STRENGTHS

Computer Languages	C++, C, Java, JavaScript, ARM Assembly
Web Technologies	HTML, CSS, JSON, AJAX, Node.js, Bower, Grunt
Databases	Oracle SQL, SQL*Plus
Tools	Linux, Git, SVN, Vim

PERSONAL LINKS

GitHub	github.com/ljhurst
Website	umich.edu/~hurstlj