

# LUKE HURST

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2,273 Consecutive Days Running a Mile or More

## EDUCATION

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**University of Michigan, Ann Arbor**  
B.S.E in Computer Science & Engineering  
Classes Taken:

**GPA: 3.6/4.0**  
*April 2017*

- EECS280: Programming and Data Structures
- EECS281: Data Structures and Algorithms
- EECS285: Practical Java Programming
- EECS370: Intro. to Computer Organization
- EECS376: Foundations of Computer Science
- EECS381: Object Oriented Programming
- EECS388: Intro. to Computer Security
- EECS482: Intro. to Operating Systems
- EECS484: Database Management Systems
- EECS485: Web Database and Info. Systems

## EXPERIENCE

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**Nike**  
*Application Engineer Intern*

June 2016 - August 2016  
*Beaverton, OR*

- Developed a framework for measuring and reporting internal productivity and user experience
- Worked with peers to design an internal application and build an agile board to be used for development
- Participated on a cross-functional team to deliver a strategy that engages students with the non-profit Marathon Kids and presented the strategy to an internal community impact team.

**TD Ameritrade**  
*Advanced Technology Intern*

May 2015 - August 2015  
*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
- 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**  
*Developer*

September 2014 - Present  
*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
- Competed in a 2015 International Aerial Robotics Competition and placed 2<sup>nd</sup> in United States division

**Recreational Sports**  
*Building Supervisor*

September 2013 - Present  
*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 granting requests and handling complaints
- Developed leadership skills by creating a positive work environment and mentoring new employees

## TECHNICAL STRENGTHS

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**Computer Languages**  
**Web Technologies**  
**Databases**  
**Tools**

C++, C, Java, JavaScript, Python, ARM Assembly  
HTML, CSS, JSON, AJAX, Node.js, Django, Bower, Grunt  
Oracle SQL, SQL\*Plus, SQLite, JDBC  
Linux, Git, SVN, Vim, IntelliJ