

# Omer Khan

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## EDUCATION

### WAYNE STATE UNIVERSITY

BA IN COMPUTER SCIENCE

MINOR IN ECONOMICS

Sep 2014 - May 2018 | Detroit, MI

Cum. GPA: 3.81 / 4.00

Major GPA: 3.92 / 4.0

## SKILLS

### PROGRAMMING

Proficient

C++ • HTML • CSS • SQL

Familiar

Java • JavaScript • Python • QBasic • R

## LINKS

Github:// [omerkhan3](#)

LinkedIn:// [omerkhan3](#)

## COURSEWORK

- Programming and Problem Solving
- Discrete Mathematics
- Computer Science 1 (C++)
- Data Structures and Algorithms
- Intro to Web Development
- Information System Design (SQL)
- Software Engineering
- Introduction to Python

## AWARDS / HONORS

- Presidential Scholarship Recipient
- Dean's List (Fall '15 | Winter '15, '16)
- DECA State Finalist - 2014
- MHacks 8 Participant - 2016
- ThinkChicago Civic Tech Challenge  
1st Place Winner - 2016
- Stephen P. Hepler Endowed  
Scholarship Recipient - 2017

## INTERESTS

Basketball, Trading, Hiking, Traveling

## EMPLOYMENT

### J.P. MORGAN | SOFTWARE ENGINEERING INTERN

June 2017 - Aug 2017 | New York, NY

- Developed a server-side web service in Java using the Spring framework and SQL for a trading dashboard in Athena which provides risk analytics to the Public Finance trading desk.
- Used client-side JavaScript to parse JSON data coming from the web service (RESTful / Web Socket) to appropriately update widgets in real-time, resulting in 8 completed screens within the new dashboard.

### HEWLETT PACKARD ENTERPRISE | SOFTWARE ENGINEERING INTERN

June 2016 - Aug 2016 | Pontiac, MI

- Migrated a Governance Portal and a Support Portal from internal HPE SharePoint On-Premises servers to SharePoint Online, resulting in these features being included in client sales meetings starting Q3 2016.
- Developed a site messages widget, central video/policy hub, and slideshow widget for both portals using JavaScript (jQuery, REST API, CAML) and CSS.

### PERFICIENT | QUALITY ASSURANCE ENGINEERING INTERN

Dec 2015 - May 2016 | Livonia, MI

- Performed cross-platform testing on mobile, tablet, and wired web applications, resulting in over 50 bugs on Ford and Lincoln websites being reported to developers via JIRA.
- Rewrote manual test scripts in QTest for the Lincoln Click-To-Purchase project, allowing testers to thoroughly assess the websites while also reducing time allocated for each regression test by 1 hour.

## PROJECTS

### SAFETY IN NUMBERS - MHACKS 8 | HTML, CSS, JS, FIREBASE, C

- Project aims to help Detroit citizens avoid isolated areas in the city.
- Uses Intel Edison and a webcam to feed the number of people passing by and camera data into a Node.js server, which passes it to Firebase. Data is used to plot points on a heat map powered by Google Maps API.

## ADDITIONAL EXPERIENCE

### THINKCHICAGO 2016 CIVIC TECH CHALLENGE | 1ST PLACE

- Proposed an intuitive mobile app that would allow Chicago citizens to report issues found across the city with a quick picture while also creating an incentive program for civic engagement.
- Made final pitch in front of 4 Chicago tech leaders and 150 students. Placed 1st out of 22 teams of top students from across the country.

### UNDERGRADUATE RESEARCH ASSISTANT Apr 2016 - May 2016

Looked for applicable cancer cell data from previous studies to test. Used R to manipulate the data, and used Diana Diaz's R package to run pathway analysis on it.

### ASSOCIATION FOR COMPUTING MACHINERY | Co-FOUNDER / VP

Revitalized ACM after years of inactivity. Keep the website up to date using a CMS. Helped raise membership from initially 8 to over 40.