# Aasiruddin Walajahi

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## EDUCATION

### MICHIGAN STATE UNIVERSITY
MS in Computer Science
August 2017 - May 2019 (Expected)

BS in Computer Science
August 2012 - December 2016
Dean's List (All Semesters)
Graduated with Honors
Cum. GPA: 3.81 / 4.0

## COURSEWORK

### GRADUATE
Computer Vision
Neural Networks and Deep Learning

### UNDERGRADUATE
Algorithms and Data Structures
Operating Systems
Object-Orientated Software Design
Computer Architecture
Mobile App Development (Android)
Compilers
Parallel Programming
Algorithm Engineering
Database Systems
Web App Architecture & Development
Introduction to Machine Learning

## SKILLS

### PROGRAMMING
Proficient:
C++ • Python • Java

Working Knowledge
C • C# • HTML/CSS • JavaScript
PHP • LATEX • MATLAB

### FRAMEWORKS
Android • SpringBoot • ReactJS
WordPress

## LINKS

Github:// **Aasir**
LinkedIn:// **aasiruddinw**

## CLUBS

• MSU AutoDrive
• Spartan Hackers
• MSU Data Science
• ACM Chapter @ MSU

## EXPERIENCE

### MSU CANVAS SOAR (AUTODRIVE)
Team Member | MSU://CanvasSOAR
August 2017 - Present | East Lansing, MI
- AutoDrive Challenge is a three-year competition focusing on developing a level four autonomous vehicle based on the Chevy Bolt platform.
- Member of software team working on sensor fusion, lane detection and object tracking/classification.

### MICHIGAN STATE UNIVERSITY
Graduate Teaching Assistant
August 2017 - Present | East Lansing, MI
- Deliver weekly lectures to 3 sections consisting of 30 students each on the basics of computing, data manipulation and databases (CSE101)

### AVATA INTELLIGENCE
Software Development Engineer Intern (Senior Design)
August 2016 - December 2016 | East Lansing, MI
- Designed and implemented a web application that automatically identifies and merges duplicate records within and across datasets in the Avata platform
- Tools utilized: Java, SQL, SpringBoot and ReactJS (Redux).

### AMAZON
Software Development Engineer Intern
May 2016 - August 2016 | Seattle, WA
- Designed and implemented a standalone toolkit for rapid prototyping of repeat activity behaviour predictions for the Amazon Marketplace.
- Tools utilized: Java, JUnit, AWS S3 and Elastic Map Reduce.

### MATRIX CENTER FOR DIGITAL HUMANITIES & SOCIAL SCIENCES
Backend and Mobile Developer
February 2015 - May 2016 | East Lansing, MI
- Developed and maintained functionality of various websites by utilizing languages and frameworks such as WordPress, JavaScript, PHP and MYSQL.
- Worked on a team of two developing a Location Based Experience application (MBIRA) for the Android platform.

## PROJECTS

### TWITCHIPY
Built using Python | Github://Twitchipy
- Application to recognize the song playing during a live Twitch stream.
- Tools utilized: Pyramid, Streamlink and ACRCloud SDKs.

### SPARTAHACK 2016
Built using Android | PlayStore://SpartaHack2016
- Application for hackathon attendees to keep up to date regarding the event announcements and request Mentorship help.
- Implemented HelpDesk and Mentorship ticket functionality utilizing a Parse backend.