

# JIAWEI ZHONG

2474 Stone Road., Ann Arbor, MI 48105  
jzho@umich.edu • (734) 263-5528

## SUMMARY

Experienced in electronic engineering and mechanical engineering. Graduate concentration in signal processing and Programming. Seeking a summer 2018 software engineer intern/full time position.

## EDUCATION

### Stanford University Online Statement of Accomplishment

July 2017

Introduction to Computer Networking

### University of Michigan, Ann Arbor, MI

Master student major in Signal & Image Processing & Machine Learning

Since September 2016

Coursework: Matrix Methods for Signal Processing, Machine Learning, Computer Vision,  
Database Management Systems, Probability & Random Processes, Introduction to Algorithms

GPA: 3.47/4.0

### Zhejiang University, China

Bachelor of Science in Engineering in Electronic Science and Technology

June 2016

GPA: 3.53/4.0

## PROJECT EXPERIENCE

### eimageglobal Inc.

Intern as web developer

December 2017 – December 2017

- Write JavaScript code to complete the auto email reply function in sign up module
- Write JavaScript code to extract the customer information in a request form and email it after submission

### University of Michigan, Ann Arbor, MI

Implementation of Dijkstra Algorithm based on Fibonacci Heap

November 2017 – December 2017

Details on my GitHub: [https://github.com/FrankZh27/Dijkstra\\_Algorithm](https://github.com/FrankZh27/Dijkstra_Algorithm)

- Implement Rank-Pairing Heap to replace the build-in priority queue in JAVA and apply it to Dijkstra Algorithm

### University of Michigan, Ann Arbor, MI

Stop Sign Recognition

November 2017 – December 2017

- Brainstorm how to improve the accuracy of stop sign detection
- Implement 3-layer neural network to detect the stop sign based on TensorFlow

### University of Michigan, Ann Arbor, MI

Real-time human action detection based on SVM

January 2017 – March 2017

- Search literature Support Vector Machine
- Apply the algorithm to human action detection using Matlab

### University of Michigan, Ann Arbor, MI

Database Management System project

January 2017 – February 2017

- Design an ER diagram and build up a database for social network data using SQLPLUS
- Finish a client of the database by using JAVA

### University of Michigan, Ann Arbor, MI

Details on the website: <http://8yeyeye.wixsite.com/eecs351>

October 2016 – December 2016

- Introduce the idea of using correlation function into the project to match the roadmap with the satellite image
- Finish the part of correlation algorithm by using MATLAB and work out a final driver with team members

## SKILLS

Computer: Matlab, Java, C/C++, SQL, Python, html, Javascript