More about me: *www.jiaweizhong.info*

JIAWEI ZHONG

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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
GPA: 3.3/4.0

Zhejiang University, China
Bachelor of Science in Engineering in Electronic Science and Technology June 2016
GPA: 3.53/4.0

PROJECT EXPERIENCE

University of Michigan, Ann Arbor, MI
Real-time human action detection based on SVM January 2017 – March 2017
- Brainstorm in the project and come up with the idea of human action detection
- Search literature Support Vector Machine
- Apply the algorithm to human action detection using Python

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
- Create test cases and test the database for social network

University of Michigan, Ann Arbor, MI
Details on the website: http://8yeyeye.wixsite.com/eecs351 October 2016 – December 2016
- Brainstorm in the project Automatic Geolocation of Aerial Photography
- 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

University of Michigan, Ann Arbor, MI
Background subtraction November 2016 – December 2016
- Find the relations between the background in the video and principal components in the matrix
- Preprocess the video and convert it into binary matrices
- Write a program to subtract the background by using SVD algorithm and determine the rank of the singular value matrix

SKILLS

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