Yan **Wei**

Language:C/C++, Java, C, python, sql,Matlab.

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Education

The Johns Hopkins University, USA *Sep. 2017-June. 2019*

M.S. in Computer Science *GPA:3.69/4*

- Gained expertise in graphics and robotics as well as Machine Learning and Data Mining

Nanjing University of Posts and Telecommunications,China *Sep. 2013 - Jun. 2017*

B.S. in Software Engineering *Class Rank:1/74 GPA:4.05/5*

- Got a National Scholarship and Principal Award
- Won third prize in the Iran Open, fourth prize in the RoboCup and first prize in RoboCup China

Internship

Software Development Engineer Internship Alibaba Co. *HangZhou, China*

Java backend *June.2018 - Aug.2018*

- Worked for Alibaba Group's new E-commerce retail, including One-hour-delivery and timed-delivery.
- Familiar with middleware that used for cloud service including HSF
- Learned how to use framework including Spring
- Wrote and published several service in the backend.

Project Experience

Handwritten Digits Recognition Based on SVM *Nanjing, China*

Graduation Project *Apr.2017 - May.2017*

- Implemented the classifier using Support Vector Machine(SVM) used the MNIST data set to train
- Preprocessed the images of handwritten digits so that they can fit better.
- Used HOG to extract feature of images and fit the images into the classifier to get the result
- Environment: Windows, Tool: C/C++, OpenCV,MFC, IDE: Visual Studio 2015.

Vector Models for Information Retrieval and Searching engine *Baltimore, MD*

Senior Engineer Project *Feb.2018-Mar.2018*

- Build a vector based IR engine and explore the effects of different permutations of the components.
- Using SVD to reduce the dimensionality of the term vectors.
- Build the searching engine which would find the most similar and relevant queries for the documents provided
- Environment: Linux Tool: python2.7, IDE: Visual Studio Code

Information Retrival on the shopping website *Baltimore, MD*

Senior Engineer Project *Apr.2018-May.2018*

- Retrived and extracted the information from the shopping websites use crawl.
- Default to show the result by "price low to high", then according to the click by the user, recommend the goods that they might love by using item-CF algorithm
- Environment: Linux Tool: python3.7, IDE: Visual Studio Code

Research Experience

RoboCup rescue simulation, Apollo Innovation Base *Nanjing, China*

Team Leader and Technical Support *Oct.2013 - May.2017*

- Programmed and simulated 3 types of agents including AT (Ambulance Team), PF (Police Force), and FB (Fire brigade) in the simulated fire scene to minimize disaster losses.
- Optimized the rescue path planning algorithm, used the A* and K-means algorithm to optimize the algorithm, supported the team in design optimization, debugging and testing.
- 3th Prize of RoboCup Iran Open, 4th Prize of RoboCup, 1st Prize of RoboCup China, Principal Award
- Environment: Ubuntu, Tool: Java JDK 1.8, IDE: Eclipse, Code Management: SVN.