

# Sheng Huang

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## Educational Experience

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**Carnegie Mellon University**, Pittsburgh, PA 2018.8—present  
*Master of Science in Information Technology – Mobility*

**Shanghai Jiao Tong University**, Shanghai, China 2014.9—2018.6  
*Bachelor of Science in Computer Science* GPA: 3.53

## ProjectSkills

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**Programming Languages** C/C++, Python, JAVA, HTML, CSS, Matlab, SQL  
**Frameworks** TensorFlow

## Project

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**Text Detection System** 2016.9—2017.1  
The system can detect the text in the natural images with Edge-enhanced MSER with accuracy of 90%.  
The system can extract the text from the images with the open-sourced tesseract.  
The text can be extracted into targeted language using Baidu Translation API.

**In-Memory Storage System for Big Data of Trajectories** 2016.9—2017.9  
Build simple frame and hierarchical frame based storage system, reducing the searching time by 40%.  
Two kinds of queries: Window Range and KNN.

**Self-Organizing Supervised Neural Network** 2017.6—2017.9  
Bi-directional neural network.  
Achieved high accuracy (more than 97%) in half of the training time.  
Neural network can do both classification and reconstruction of the input.

**Computer System Project** 2018.5—2018.8  
Implement a cache simulation.  
Implement a small shell with signal handlers.  
Implement a dynamic storage allocator.

## Leadership

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**Director Assistant** SJTU Youth Volunteer Service Corporation 2015.9—2016.6  
**Vice Director** Student Union of SJTU SEIEE 2015.9—2016.6