

# Yuchuan Tian

800 Dongchuan Road, Shanghai, 200240

Email: tianyc@sjtu.edu.cn

## EDUCATION

- **Shanghai Jiao Tong University (SJTU), Shanghai, China** Sep. 2018 - Present
  - Bachelor of Science in Electrical and Computer Engineering
  - University of Michigan-Shanghai Jiao Tong University Joint Institute (UM-SJTU JI)
  - GPA: 3.88/4.00
  - GPA Rank: 3/156

## PROGRAMMING SKILLS

- Python, C/C++, MATLAB, Verilog HDL, Latex

## LANGUAGE PROFICIENCY

- TOFEL iBT: 105 Reading: 28 | Listening: 27 | Speaking: 23 | Writing: 27 Jan. 2019

## PROJECT EXPERIENCE

- **Communication-efficient Video Analytics using Super Resolution** Jan. 2021 - Present
  - Seek to save communication cost while maintaining accuracies of video analytics
  - Built a pipeline combining Super Resolution and Object Detection via Pytorch
- **Named Entity Disambiguation in Enterprise Knowledge Graphs** Sept - Dec. 2020
  - Attempted to distinguish two people identified by the same name
  - Applied Graph Convolutional Networks (GCN) to an Enterprise Knowledge Graph
- **Pipelined Processor** Oct. - Nov. 2020
  - Built a 5-stage pipelined processor via Verilog HDL
  - Simulated on Xilinx Vivado and implemented on FPGA Boards
- **Gomoku Artificial Intelligence Project** Jan. 2019
  - Wrote a C++ Program based on Greedy Algorithm
  - Ranked top 20 in the School Competition

## ACTIVITIES

- **Teaching Assistant**, SJTU Undergraduate Education Office Sept. 2020 - Present
- **Manager**, Branch of Youth League Sept. 2018 - Present
- **Writing Consultant**, JI Writing Center Sept. 2019 - May 2020
- **Peer Mentor**, JI International Program Office Buddy Program Sept. 2019 - Jan. 2020

## AWARDS

- National Mathematical Modeling Contest, 2<sup>nd</sup> Price CSIAM Nov. 2020
- Three-Good Student Honor League Branch at SJTU Nov. 2020
- SJTU ABC Scholarship Shanghai Jiao Tong University Nov. 2020
- SJTU ABC Scholarship Shanghai Jiao Tong University Nov. 2019
- Outstanding manager of Branch of Youth League League Branch at SJTU Oct. 2018