Yifan Zhang

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EDUCATION

- **University of California, Irvine (UCI)** Irvine, CA
  Master of Computer Science *Sep. 2018 – Dec. 2019(expected)*
- **University of Electronic Science and Technology of China (UESTC)** Chengdu, CHINA
  Bachelor of Engineering in Electrical Engineering *GPA:* 3.71/4.00 *Sep. 2014 – Jun. 2018*
- **National Taiwan University of Science and Technology (NTUST)** Taipei, TAIWAN
  Exchange student in Electronic Engineering *GPA:* 4.15/4.30 *Sep. 2016 – Feb. 2017*

SKILLS

- **Programming Languages**: Java, C++, Python, SQL, JavaScript, LaTex
- **Tools**: Intellij IDEA, Linux, Putty, Sublime Text, HTML, Visual Studio Code

WORKING EXPERIENCE

- **Chicago Summer Internship Program, Ignite** Chicago, IL
  Assistant programmer *Jul. 2016 - Aug. 2016*
  - Partook in the development of crawler software and improvement of its algorithm to extract information of companies (emails, phone number etc.) into Excel
  - Proved a valuable team member by good communication and work efficiency in a network consultancy agency

PROJECT EXPERIENCE

- **Minesweeper AI Agent: An AI Coding Project, UCI** Irvine, CA
  Team leader *Sep. 2018 - Oct. 2018*
  - Designed the whole framework of the project and the logic flow to maximize success rate of the agent
  - Utilized heuristic estimation in order to find the unit which would most probably be a mine
  - Succeed to complete 70% of one thousand 16*16 worlds with 40 mines and 30% of one thousand 16*30 worlds with 99 mines
- **Research on License Plate Recognition Technology, UESTC** Chengdu, CHINA
  Researcher *Dec. 2017 - May 2018*
  - Designed system for automatically recognizing car plates in different environments
  - Used Binarization and Grayscale algorithm to preprocess images
  - Combined Genetic Algorithm in order to detect the actual position of plates which optimized the accuracy of system
  - Used template matching algorithm to cover most situations and mplemented ANN to deal with other complicated situations
- **Autonomous Landing System of 4-axis Drone, NTUST** Taipei, TAIWAN
  Researcher *Sep. 2016 - Jan. 2017*
  - Implemented Kalmen and particle control algorithm (predictive function) to achieve automated landing
  - Involved in the testing and coding part and worked with master students to solve system crash problem by debugging code imcompatibility