Jia Yi Li

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Education:

Graduating Senior - Oregon State University, Corvallis, Oregon, 2016-2020, GPA: 3.80
Major: Electrical and Computer Engineering   Minor: Computer Science

Research:

Oregon State University - School of Electrical Engineering
and Computer Science   2019-current
Undergraduate Research Assistant
- Automated image alignment
- Developed and trained deep learning algorithms
- Developed semantic segmentation technique

Employments:

Daimler Trucks North America - Product Validation
Engineering   04/2019-09/2019
Computer Engineering Intern
- Developed deep learning models to autonomously recognize speed signs
- Managed truck signals database using MySQL
- Visualized testing trip data

Oregon State University - Student Leadership & Involvement
Peer Educator   2018-2019
- Facilitated leadership workshops at student organization meetings
- Assisted club officers with event planning and campus resources
- Collaborated with school officials to host campus-wide events

University Housing and Dining Services - Bloss Hall
Resident Assistant   2017-2018
- Planned and conducted monthly floor meetings
- Upheld and enforced UHDS policies
- Managed emergency and crisis
- Collaborated with the Oregon State Police and Department of Public Safety

Oregon State University - Math Learning Center
Math Administration Assistant   2016-2018
- Oversaw the Math Learning Center
- Proctored students taking math exams
- Provided students with needed math resources

Awards:

- The Ford Family Foundation Scholar
- Foot Locker Scholar
- AP Scholar With Honor
- Athlete of The Year- Chinese Consolidated Benevolent Association

Activities:

Oregon State University- American Institute of Aeronautics
& Astronautics
Payload Software and Firmware Lead   2019-current
- Designed payload graphic user interface
- Developed long range real-time video transmission
- Implemented firmware systems for rover

Oregon State University - Machine Learning Club
Member   2018-current
- Completed Deep Learning Series from Intel's AI Academy
- Attended workshops regarding to machine learning
- Self-taught machine learning courses from open source websites

Oregon State University - Eta Kappa Nu
(Electrical and Computer Engineering Honor Society)
Member   2018-current
- Developed professional career skills
- Networked with faculty and companies

Skills:

- Proficient with Python, C, C++, Microcontroller Programming
- Proficient with Machine Learning frameworks: Tensorflow, Keras, PyTorch, scikit-learn
- Proficient with Computer Vision frameworks: OpenCV, OpenVino, PIL
- Event organizing and leadership development
- Strong verbal and written communication skills
- Fluent in English, Chinese-Cantonese, and Spanish

Projects:

- NASA University Student Launch Initiative
- Speed Sign Recognition
- Superresolution CNN
- Autoencoder-Denoising CNN
- Automated Hyperspectral Image Alignment
- Autonomous Mini Sumo Robot
- Persistence of Vision Wand