

MINGZE PAN

<https://pmmmz.github.io/pmz/>
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EDUCATION

California State University, Fullerton Computer Engineering M.S. GPA:3.7/4.0	<i>Aug 2020 - present</i> <i>Fullerton, CA</i>
California State University, Fullerton Electronic Engineering Exchange Program	<i>Aug 2019 - May 2020</i> <i>Fullerton, CA</i>
Tianjin Normal University Communication Engineering B.S.	<i>Sep 2016 - Jun 2019</i> <i>Tianjin</i>

PUBLICATIONS

- Mingshuo Liu, Kevin Han, Shiyi Luo, Mingze Pan, Mousam Hossain, Bo Yuan, Ronald F. DeMara, Yu Bai: **An Efficient Video Prediction Recurrent Network using Focal Loss and Decomposed Tensor Train for Imbalance Dataset**, GLSVLSI '21, June , 2021

AWARDS

IEEE Student Engineering Team Challenge 2021 Project: Self-Navigating Drone	<i>Second Place</i> <i>Aug 2021</i>
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PROFESSIONAL EXPERIENCE

California State University, Fullerton Graduate Student Research Assistant Advisor: Dr. Yu Bai	Computer Engineering Department <i>Aug 2020 - Nov 2021</i>
<ul style="list-style-type: none">• Project1: Developing a pre-processing module into the YOLOv5 model to optimize the data set for object detection, which reduces the waste of calculation• Project2: Harvesting Social Media Data through Natural Language Processing, analysing the discrimination in semantics.• Project3: Implementing edge smart computing with GPS system for drone to autonomous complete extensive analysis of GPS coordinates and adaptive pathfinding	
Tianjin Normal University	Communication Engineering Department
National College Innovation and Entrepreneurship Project Designed an Anti-blocking smoke alarm system for student dormitories in the university.	<i>Dec 2017 - Jun 2019</i>

WORK EXPERIENCE

California State University, Fullerton Graduate Student Research Assistant Instructional Student Assistant	Computer Engineering Department <i>Nov 2020 - present</i> <i>Sep 2020 - present</i>
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TECHNICAL AND LANGUAGE SKILLS

Programming Language	Python, MATLAB, C, C++, Verilog, VHDL
Software	Visual Studio, Xilinx Vivado, HSPICE, MATLAB,
Operating System	Linux
Deep Learning	Python - Keras, TensorFlow, Pytorch