

Jun Xian (June) Chen

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EDUCATION

Master of Science: Computer Science

University of Southern California

Jan 2021 – Dec 2022

Los Angeles, CA GPA: 3.60

Bachelor of Science: Electrical Engineering

University of California - Irvine

Sep 2016 – Jun 2020

Irvine, CA GPA: 3.47

SKILLS

C++, C, Python, Java, Matlab, Tensorflow/Keras, Linux, Pytorch

WORK EXPERIENCE

Deep Learning Medical Imaging Researcher Junior Specialist

Jun 2020 – Present

Center for Artificial Intelligence in Diagnostic Medicine

- Used Tensorflow 2.0/Keras library to design and train convolutional neural networks using semantic segmentation on medical imaging datasets to provide references to doctors
- Successfully trained a model to accurately identify tumors on a rectangular bounding box medical imaging dataset to show coarse annotations and meticulous annotations provide similar results
- Led discussions among peers to discuss new architectures to provide better results on medical imaging
- Organized and created a manuscript on the team's analysis on the coarse bounding box dataset and model

ELECTRICAL ENGINEERING/DEEP LEARNING EXPERIENCE

Machine Vision Researcher

Jun 2019 – Present

University of California, Irvine

- Managed and analyzed a large image database to provide feedback to baseball players
- Worked with a team of 4 students using Python to develop a model that accurately simulates physical phenomena to assist baseball players.
- Developed equations to find the lowest minimum mean square error on scatterplots to provide accurate predictions

UCI Autonomous Machine Learning Target Scoring Drone Project

Sep 2019 – Mar 2020

University of California, Irvine

- Created a Machine Learning Computer Vision program using Matlab to detect targets with 90% accuracy
- Managed a team of four students to manufacture and assemble an autonomous drone

LEADERSHIP EXPERIENCE

Calculus BC Tutor

Aug 2015 – May 2016

- Led an after-school tutoring class of 30 students needing extra help
- Improved student participation in classroom through creative role-playing exercises

PROFESSIONAL DEVELOPMENT & AFFILIATIONS

Deep Learning Specialization Certificate – Coursera.com