Jin Wu

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EDUCATION

University of California, San Diego

- Sept. 18 – May. 20 **B.S**. in Electrical Engineering, Minor in Business |**Major GPA 3.836**
- Sept. 20 – **May. 21** **M.S.** in Machine Learning and Data Science|**Major GPA 4.0**

WORK EXPERIENCE

- Feb. 21 – Present ***Technology development Intern*, Soter AI**, San Diego CA
  - Programmed pairs of drones for collaboration to achieve tasks.
  - Use Yolov5 with data augmentation technique to train models for detecting obstacles.
- Jun. 19 – Sept. 19 ***Building Technology Intern*, Siemens**, San Diego CA
  - Used AutoCAD for Lightening Control drawings, floor plans, and controller As Built
  - Built and configured the security camera network with IP and connected with Insight UI
  - Helped saving 2500$/year for the company by migrating to a new tools tracking system
  - Helped install/test fire alarm system, including Smoke Detector, Speaker, Strobe, and Relays
- Aug. 17 – Jun. 18 ***Project Intern*, Schneider Electric**, Brea CA
  - Programmed in Script on server for HVAC, based on customer Sequence of Operation
  - Developed UI on server, providing real time data and summary of the HVAC system
  - Documented As-Built drawings, demonstrated the actual implementation of the blueprint

PROJECT (More project and details on **jinwu0408.com**)

- Jan. 21 – Mar.21 **Secle GAN (Improvement on Cycle GAN)**
  - Proposed this new model as an improvement to the popular Cycle GAN algorithm
  - Combined Cycle GAN with Semantic Segmentation using TensorFlow to reduce noises
- Sept. 20 – Jan. 21 **Cheetah Detection (Image Segmentation)**
  - Programmed in MATLAB to implement and compare classification models in variety of settings
  - Compared Bayesian, MAP, and ML parameter optimization
- Sept. 18 – Jun. 19 ***Team Lead*, Micromouse**, IEEE
  - Programmed (Arduino C) the STM32 controller with filled logic to solve the maze
  - Led the team, including make directional decision, schedule meetings, set deadlines, etc.
- Jan. 19 – Apr. 19 **Neural Transfer**, ECE Undergraduate Student Council
  - Programmed in Python using OpenCV to process and visualize image data
  - Used VGG19 and Keras Functional API for the model and optimization
- Dec. 18 – Feb. 19 **Facial Recognition Project**, Project in a Box
  - Used OpenCV to detect face and make necessary image processing to crop the face
  - Programmed in Python with Keras to layout the CNN, along with training and testing
  - Connected with AWS and Raspberry to do real time facial recognition

AFFILIATED GROUP

- Sept. 18 – Present ***Principal Officer & Chair of Public Relation***, Chinese Student Association
  - Collaborated with 3 clubs from different campus, increased events participants by 20%
  - Planned the largest student musical festival in SD, “DNA” (473 participants in 2018)
- Mar. 19 – Present ***Staff Member***, HKN---IEEE Horner Society

SKILLS

Python	MATLAB	Raspberry Pi	HTML	Solidwork
TensorFlow	SQL	Arduino	CSS	Firebase
PyTorch	Flask	Altium Designer	JavaScript	AD-Eagle