CV

Yueting Li Email: lyt1314@stanford.edu

Education

- **Stanford University**, CA, US (09/2021-06/2023 expected)
  - Program: Master of Science
  - Major: Electrical Engineering
  - GPA: 4.00/4.00
- **Huazhong University Of Science & Technology (HUST)**, Hubei, China (09/2016-06/2020)
  - Degree: Bachelor of Engineering
  - Major: Electrical Engineering and Automation
  - Average GPA: 3.84/4.00 Major GPA: 3.96/4.00

Research Exprience

- **Independent Study, Computational Neuroimage Science Lab, Stanford University** (10/2021-now)
  Advisor: Prof. Kilian Pohl
  - Brain structural and functional image signal analysis using Graph Convolutional Network.
- **Research Assistant, SEEM, Chinese University of Hong Kong** (11/2020-09/2021)
  Advisor: Prof. Anthony Man-Cho So
  - Developed an efficient algorithm implementation of convex formulation of the Pari-mutuel Derivative Call Auction model.
  - Solved a large-scale telecommunication sparse signal recovery problem.
- **Research Assistant, Silicon Nano Device Lab, National University of Singapore** (10/2019-11/2019)
  Advisor: Prof. Aaron Thean
  - Co-worked in developing BLE (bluetooth low energy) biomedical wearable sensor monitoring stress, glucose et al.
- **Research Assistant, Department of Applied Electronics, HUST** (01/2019-06/2019)
  Advisor: Associate Prof. Xuehua Wang
  - Determined system parameters, abstracted a second-order transfer function and set objectives (quick & robust)
  - Designed a compensator using four methods: bode diagram, optimal root locus zone, zero-pole compensation, MATLAB system embedded PID tuning design respectively
  - Analyzed dynamic and static improvements of the above three methods by indicators like PM, GM and step response
- **Principle & Topology Analysis, Controller Design of Grid-connected Photovoltaic System** (01/2019-04/2019)
  - Built up a photovoltaic battery model in consideration of temperature variance and air mass, then verified Volt-Ampere and Power-current curve characteristic
  - Chose optimal circuit topology, realized MPPT control using Boost converter at the front stage, realized DC bus voltage and grid-connected current control using full-bridge inverter at the rear stage
  - Welded and built photovoltaic inverter hardware: main Boost circuit, closed-loop controller, Optocoupler driver
  - Measured and analyzed voltage adjustment rate, ripple coefficient, load adjustment rate and overall efficiency

Intern

- **Virtual Intern at Google Summer Research** (06/2021-08/2021)
  Mentor:Prof. Tianxing Li at Michigan State University
  - Designed audio and video multi-modal machine learning model to solve bandwidth asymmetric problem.
  - Utilized audio-visual attention-based multi-modal model to form the audio-visual data fusion. Used the Pix2Pix GAN model to do the learn the complete video data.

Teaching Experience

- CA of EE 134, Stanford University (09/2021-12/2021)
- Peer mentor of Summer Undergraduate Research Program (SURP) at the Chinese University of Hong Kong (06/2021-08/2021)
- Teaching assistant of undergraduate summer AI course at the National University of Singapore (08/2019)
- Volunteer Teaching in the Rural Senior High at Enshi, Hubei, China (08/2018)

Publication

- Deconvolutional Networks on Graph Data. Jia Li, Jiajin Li, Yang Liu, Jianwei Yu, Yueting Li, Hong Cheng. Accepted by NeurIPS 2021.

Honors & Skills

- Outstanding undergraduate of HUST (06/2020)
- Final project ranked 1^{st} in Winter School AI Program, National University of Singapore (01/2019)
- Scholarship for Academic Progress, School of Electrical and Electronic Engineering, HUST (09/2018)
- Vice President, The Student Union of School of Electrical and Electronic Engineering, HUST (09/2016-12/2018)
- Member for Volunteer Service, Students' International Communication Association (SICA), HUST (09/2017-12/2017)
- Skill: Python, Pytorch, MATLAB, R, Lua, C/C++, Altium Designer, Multisim, Arduino