Yadong Zhang

Electrical Engineering

Personal Info

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Date of birth

1997-01-16

Github

github.com/ydup

LinkedIn

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Programming Language (Proficient)

1. Python (Advanced knowledge in data crawling, processing, feature engineering and machine learning).
2. C (Experienced in embedded system design, such as ARM, DSP and Arduino).
3. Matlab (Seasoned in GUI design and mathematical modeling)

Programming Language (Familiar)

1. HTML, CSS, JavaScript (Familiar with webpage UI design and web server foundation with Flask)
2. Java (Familiar with Android applications development with java)

Education

2018-09 to now — Research student, Xi'an Jiao Tong University, Electrical Engineering

2014-09 to 2018-06 — Bachelor, Xi'an Jiao Tong University, Electrical Engineering

- Total GPA: 3.78
- Excellent Graduation Project: Li-ion Battery State of Charge Estimation based on Machine Learning.

Scholarship

2018-10 — Freshmen Highest Grade Scholarship (Top 50 in all the freshmen)

2016-10 — National Scholarship (Top 1.8% in 383 students)

Projects

2016-10 to now — Li-ion Battery State of Charge Estimation based on Machine Learning

- SOC estimation with the simulated current, voltage and temperature as input.
- Data processing, machine learning based on recurrent neural network.
- Python, Tensorflow, Keras.

2017-09 to now — Stock Price Prediction based on Machine Learning

- On going

2017-02 to 2017-06 — Indoor Location System based on Ultra-Wideband Ranging

- The host is designed with Matlab GUI.
- The slave is Arduino applications cooperated with UWB module, Bluetooth and accelerometer.
- Matlab, C, C++.

Awards

2017-09 — Second Prize in National Undergraduate Electronics Design Contest

- The algorithm of electronic signal processing with STM32 and FPGA is my main work.

2016-03 — Meritorious Winner in Mathematical Contest in Modeling (ICM)

- My major work is modeling for the utilization and allocation of water resources.

Business Skills

- Team collaboration
- Communication
- Creativity