Heli (Leon) Wang

20 N Grand Blvd • Saint Louis, MO 63103
(314) 397-2499• heli.wang@slu.edu

EDUCATION

Saint Louis University, Parks College of Engineering, Aviation and Technology,
Saint Louis, MO
Bachelor of Science in Electrical Engineering, anticipated in 2019
GPA 3.01/4.0
Minor of mathematics department in Math, anticipated in 2018

EXPERIENCE

Referee, Intramural sports, Saint Louis University **Fall 2015**

- Helped people negotiate and communicate for scores and balance
- Learned the health safety training
- Cooperated with other referees to run games normally and keep the rules of the game

Professional aspect:

Based on atmel:

- **Familiar with assembly program: arithmetic, shift, jump, rotate instruction**
- **Have used JTAG II debugger in STK500 finished LED lights**
- **Use asc II in LED lights to function the keyboard. The board can do timing and display number 1 through 9.**

Based on circuits design:

- **Have designed circuits like p-type, n-type, mosfet, p-n junction. In detail it will be common emitter/ collector, emitter, base amplifier. Multiple stage amplifier, ac-dc converter.**

Senior design:

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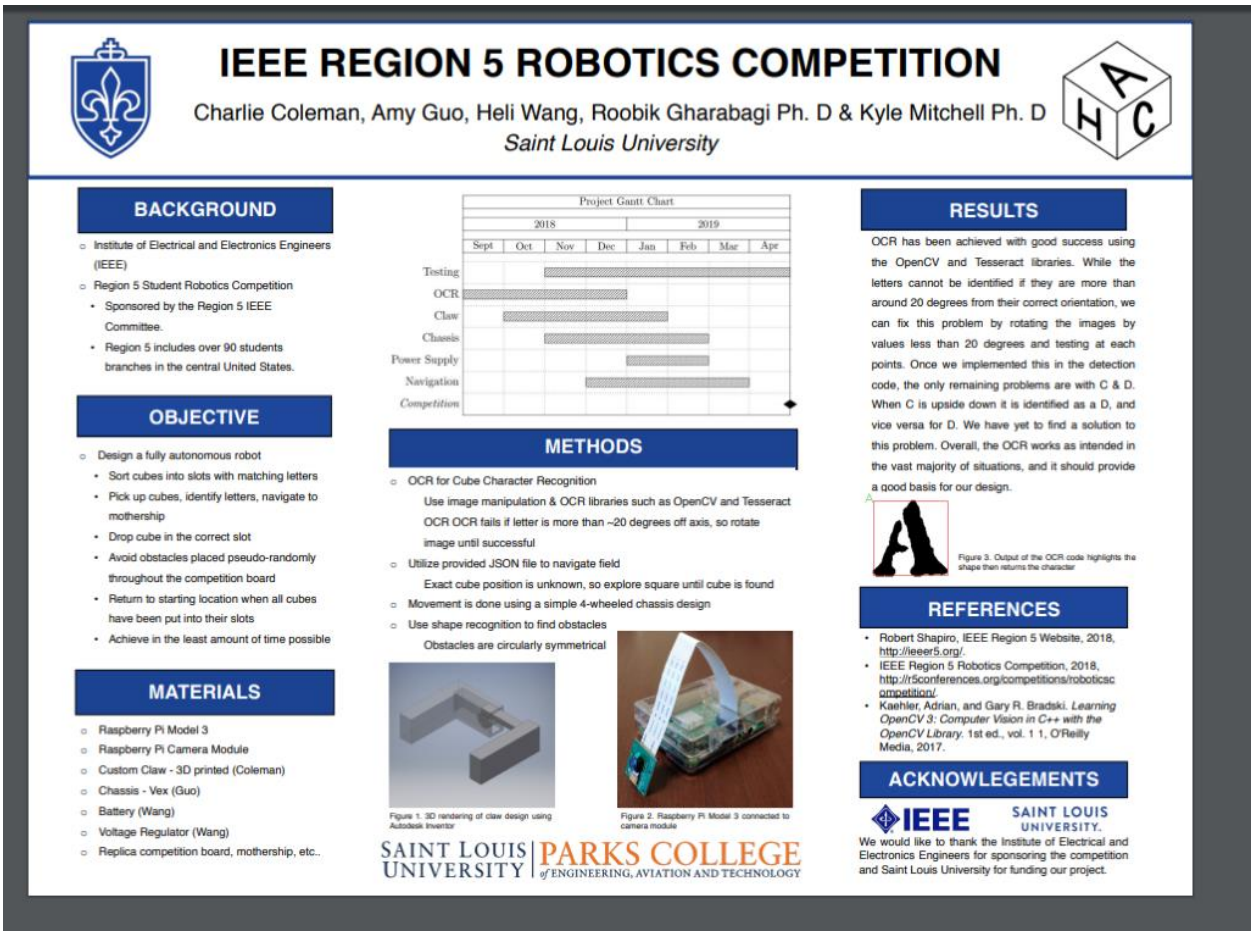

This is a post introducing my senior design project. So far we have built the mothership and the playfield. For the robot we have done the main body part, and the next step is to install the pi into the robot. In software aspect we use raspberry pi as a core to function the letter recognition. In this project I am responsible for the power part and the motor choose. Through discussion and consulting, we choose 7.2v battery and dc motor.

Important class have been taken

- **Microprocessor**
- **Linear system**
- **Electromagnetic fields**
- **Electrical circuits I**
- **Electrical circuits II**
- **Thermodynamics**
- **Automatic control system**
- **Analog integrated circuit design**
- **Communication systems**
- **Electromagnetic waves**

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- **CMOS Integrated Circuits Design**

SKILLS

- Software: Microsoft Word, Excel, PowerPoint. Xplain, atmel
- Programming languages: Familiar with Matlab, familiar with VHDL, familiar with atmel
- Language: Fluent in Mandarin Chinese, fluent in English

Special notes: Personally I don’t mind if your company don’t sponsor the H1B visa. I can still work 3 years without H1B visa.