

Haojie Ye

1861 SHIRLEY LN APT 3B, Ann arbor, MI 48105

(734) 239-3020

yehaojie@umich.edu

OBJECTIVE

Passionately looking for summer internship in computer engineering & control systems

EDUCATION

University of Michigan	Michigan	Sept. 2017 – Present
Junior, Electrical Engineering	GPA 4.00/4.00	
Course Highlights: Computer Architecture, Data Structures and Algorithms, Embedded Control Systems		
Shanghai Jiao Tong University	Shanghai, China	Sept. 2015 – Aug. 2017
UM-SJTU Joint Institute	GPA 3.65/4.00	

PROJECT EXPERIENCE

UM Autonomy, University of Michigan Sept. 2017 - Present

- Design and implement a new battery monitoring system based on Linear LTC 2990 & Arduino UNO
- Simulate and adjust circuit diagrams for monitoring requirement via Pspice
- UM Autonomy team heading for 2018 RoboBoat Competition this spring

LC2K Assembly Architecture, University of Michigan Sept. 2017 - Present

- Realize and develop LC2K Assembly Architecture to interpret C programs into machine code
- Handle basic computer architecture concerns including pipeline design and addressing data hazard
- Leaderboard of efficiency competition the choosing algorithm

Research of “Control of Snake-Like Robot”, Ristumeikan University Jan. 2017 – Feb. 2017

Tutor: Ma Shugen, Ph.D, Ristumeikan University

- Programming on Arduino to simulate motion of snake-like robot
- Hand in daily report for different route testing on the robot
- Modify the mathematical model on inhibitory control theory of the robot

HONORS AND AWARDS

- Leaderboard of efficient CPU competition in LC2K in EECS370 (2017)
- Joint Institute Dean’s List (2016, 2017)
- Auto-writing machine project displayed at Summer Design Exhibition (2016)

TECHNICAL SKILLS

Programming Environments: Windows, Linux

Programming Languages: C, C++, Java, Verilog HDL, MATLAB, Pspice, Eagle, Arduino