

Tianqi Cheng

www.linkedin.com/in/tianqi-cheng

tcheng11@hawk.iit.edu

312-536-3829

EDUCATION

- DECEMBER 2017 **Illinois Institute of Technology**, Chicago, IL
- Armour College of Engineering
 - Bachelors of Science, Major in Electrical Engineering
 - ECE412 Electric Motor Drive, ECE438 Control System
 - Armour College of Engineering Dean's List, Fall 2015/ Fall 2016
 - GPA: 3.50/4.00

- SEP 2013-JULY 2014 **Northwest University**, Xi'an, CHINA
- School of Information and Technology
 - Major in Engineering of Internet of Things

SKILLS

Programming Language	Java, C, Pascal, L ^A T _E X, Objective-C, Python
Application	Altium Designer, WordPress, Microsoft Word , Microsoft PowerPoint, MatLab, Autodesk Inventor, Milling Machine
Language	Chinese, English
Instrument	Piano

PROJECT

- SEP 2015-PRESENT **Society of Automotive Engineers**, Chicago, IL
Illinois Institute of Technology
- Design a SAE hybrid electric race car with 5371 Wh Li-ion NMC Battery Pack and 160 Nm, 80 kW PM brush-less DC motor
 - Developed PCB design for Electrical System.
 - Developed CAN implementation for power train operation

- SUMMER 2017 **GaN Based Power Supply Design for SiC BJT Base Driver**, Chicago, IL
Illinois Institute of Technology
- Fly-back converter design with 1 MHz switching frequency for a proportional base driver topology.
 - Reduce the component number, achieve the isolation between input and output, and increase the efficiency of the base driver.
 - Help developed the hardware implementation.

WORK EXPERIENCE

- SUMMER 2016 **Summer Internship**, Xi'an, CHINA
Xi'an Moonew Energy Technology Service Co., Ltd.
- Joined the company's web develop team as a test engineer

ACTIVITIES

- Member, IIT Engineering Themes
Student Member, Institute of Electrical and Electronics Engineers
- AUG-SEP 2015 Volunteer, Chicago City Marathon 2015/2016
- OCT 17-18,2015 Volunteer, Open House Chicago 2015