
MICHAEL (ZHIYUAN) ZHENG

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EDUCATION

Bachelor of Science: Electrical Engineering
University of Illinois at Urbana-Champaign - Champaign, IL
August 2016- May 2020| GPA: 3.1

SKILLS

Lab Instruments:

Oscilloscope
DMM
Solder

Software Tools:

MATLab
Arduino IDE

Programming Languages:

Python
C

COURSES

Completed Technical Courses: Analog Signal Processing | Computer Systems and Programming | Field & Waves I | Statistics w/ Engr Applications

In Progress Technical Courses: Communications Systems I | Digital Signal Processing | Electronic Circuits

In Progress Labs: Digital Signal Processing Lab

Future Technical Courses (SP19): Wireless Communication Systems | Field & Waves II

Future Labs (SP19): Digital Systems Laboratory | Embedded DSP Lab

CLASS PROJECTS

AM Radio

Created an AM radio receiver that modulated, filtered, and tuned in on the frequencies of real radio channels.

C Programs

Coded the logic for various programs such as 2048 and The Game of Life by implementing programming concepts such as dynamic memory management, linked lists, recursion and algorithms in the language C.

Invisible Safe

Created a small security system using electronic components such as photo transistors and an arduino.

PERSONAL PROJECTS

IEEE Technical Events (Aug 2016- Dec 2017):

Designed the circuit and coded the logic of both a laser trip wire and a reaction time tester which were used as the hands on component for the IEEE Arduino workshop I created and ran.

Picnic Tables (Feb 2015- Aug 2015):

Created kids sized picnic table for the Naperville Park District for my Eagle Project.

AWARDS

National Merit Scholar | November 2015
Eagle Scout of America | December 2015

WORK HISTORY

Camp Counselor, 06/2018 to 08/2018

University of Illinois at Urbana-Champaign – Champaign, IL

Assisted the UofI outreach coordinator with the day to day runnings of WYSE (World Youth in Science and Engineering)summer camps.

Manual Loader/Feeder, 06/2017 to 08/2018

Staffmark – Bolingbrook, IL

Manually loaded/unloaded magazine conveyor belts.