

ZHOU, Yuzhao

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EDUCATION

Bachelor of Engineering: Communication Engineering

Harbin Institute of Technology, Harbin, Heilongjiang, China

Sep.2014-Jun.2018

Master of Science: Information Science (MSIS)

University of Pittsburgh, Pittsburgh, PA

Master's Degree to be conferred in Jun. 2020.

Sep.2018-Jun.2020

HONORS AND AWARDS

Innovation Scholarships, Harbin Institute of Technology	2017
Grand Prize Winner of National Undergraduate IOT Design Contest (National Final Contest)	2017
The First Place Winner of National Undergraduate IOT Design Contest (Northeast China Division)	2017
1 st Prize Winner, iCan Innovation and Startup Competition of Heilongjiang Province	2017
3 rd Prize Winner, National Electronic Design for College Students (Northeast China)	2016
2 nd Prize Winner, Annual Academic Plan for Freshmen	2015

UNDERGRADUATE SELECTED PROJECTS

Project "Mr. Piano"

May 2017-Aug. 2017

A project featuring long-distance electronic piano teaching based on Internet of Things, FPGA, and Beagle Bone

- Responsible for software programming: realized real-time scoring and displaying of the teacher and students for electronic piano playing on display screen, recording and music games, etc.
- Participated in coding and decoding of action data from the teacher and students on the server
- Self-taught and used Python in software programming from teaching materials, blogs and GitHub

Project "Electronic Scale"

Jul. 2016

A project on making an electronic scale for National Electronic Design Competition for College Students

- Used C language and programmed for 51 microcontrollers
- Realized collecting and analyzing signals and interpreting into weight amounts
- Programmed for auxiliary functions such as peeled weight and pricing

PATENT

ZHOU, Yuzhao. HE, Shengyang. ZHONG, Bowen. KANG, Haopeng. LIU, Hao. 2017. A Smart Long-distance Electronic Piano Teaching System. 201710597818.X. July 20, 2017, accepted/being processed.

WORK EXPERIENCE

Intern, Neusoft Training Center, Neusoft Group

Aug. 2017-Sep. 2017

- Participated in short-term training certificate program on C++
- Participated in writing code for an online chatroom software in local area network (LAN) featuring voice chatting and document transferring functions

Software Programmer, Harbin Weike Technology Development Company Jul. 2016-Aug. 2016
Mobile Attendance Tracking System

- Responsible for a portion of graphical user interface (GUI) design and development
- Used HTML, CSS and learned front-end web development

STUDENT ACTIVITIES

Volunteer, Harbin Second Social Welfare Home, and Harbin Children Welfare Office 2015-2016

Member, Green Union for Environmental Protection, Harbin Institute of Technology 2015-2017

TECHNICAL & COMPUTER SCIENCE BACKGROUND

Languages: C, Python, JAVA, HTML, R

Tools: Multisim, MATLAB

Courses: *C language, Data Structures, Web Technology, Data Analytics, Practical Programming Course with C Language, Mathematical Analysis for Science and Technology Majors, Probability Theory and Mathematical Statistics, Innovation Design of Communication & Electronic Systems, Mathematical Modeling, Microcomputers and Microcontrollers, Digital Logic Circuits and Systems, Computer Communication Network, MATLAB Language, Python (online course)*