(Eli) Zhihao Yu

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Education:

Georgia Institute of Technology   Atlanta, GA
School of Electrical and Computer Engineering   Expected May 2021
Master of Science in Electrical & Computer Engineering

Purdue University   West Lafayette, IN
Purdue Polytechnic Institute   May 2019
Bachelor of Science in Electrical & Computer Engineering Technology

Experience:

Purdue Polytechnic Institute   West Lafayette, IN
Teaching Assistant and Grader of Embedded System   Aug. 2017 – May 2019
- Supervised active learning lecture sections.
- Provided one-to-one tutoring during lab sections
- Assisted to design homework questions for better active learning
- Communicated with students for feedback to improve course efficiency
- Graded for homework, quizzes, exams, and lab reports

Purdue Collaborative Robotics Lab   West Lafayette, IN
Undergraduate Research Assistant   Oct. 2016 – May 2017
- Learned about graduate-level research while assisting PhD students under Prof. Richard M. Voyles, the head of Collaborative Robotics Lab.
- Participated in robotic projects including bionic robot softskin and modular serpentine robot.

Computer Programming Lead Instructor   Shanghai, China
China Welfare Institute Children's Palace   Jun. 2016 – Aug. 2016
- Provided extra-curriculum programming tutoring on entry level C Language.
- Taught 20-student-class-size of middle school and high school students.
- Offered experience and knowledge of computer hardware architecture, C language coding and practical problem solving.

Honor:

Bachelor of Science, Graduate with Distinction
Issued by Purdue University on May 2019

Dean's List & Semester Honors
Issued by Purdue Polytechnic Institute for 7 semesters from Dec. 2015 to May 2019

Skills:

Language: Chinese(Native), English(Professional Proficiency), Japanese(Limited Working Proficiency)

Programming: C/C++/C#, .NET, JAVA, Python, LabVIEW, MATLAB, VHDL
Tool: Linux, Git
Controller: Arduino, FPGA, PLC,

Electrical: CAN Bus, BMS, Wireless Networks (WIFI, cellular, Ad hoc, BLE), Embedded System (SPI, I2C, UART), DSP, Digital Image Processing, Electric Machine Drives
Electronics: IC Design (Analog and Digital), VLSI Physical Design, High Level Synthesis, Optoelectronics
Engineering: CAD (Inventor, Fusion, CATIA), 3D Printing (FDM), CNC

Check https://www.elizhyu.com/resume/ for more details