Xiaoyi Ling

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Education

University of Washington, Seattle, WA.
Bachelor of Science in Electrical Engineering, January 2018
Cumulative GPA: 3.76   Cumulative major GPA: 3.84
2014 -2017 Annual Dean's list

Research Experience

SEAL lab (Sensors, Energy, and Automation Laboratory), UW, Seattle, WA   Sep 2016 – Present
Undergraduate research assistant
- Currently work on designing a portable high voltage with feedback potentially for Aerojet Rocketdyne
- Previous project includes a simulation of the induced resonance in a motor controller
- Responsible for literatures, circuitry simulation and current sensor design using microcontrollers
- Learn real-world application about microcontrollers and hands on knowledge of carrying out a research project

Work experiences

Café unit of Housing and Food Services, UW, Seattle, WA   Sep 2014 – Mar 2017
Student coordinator
- Run Café at Burke alone during winter breaks
- Coordinate four other baristas for Suzzallo café at rush hours

Student Calling Program, UW Tower, Seattle WA   Jan 2017 – present
Student caller
- Call UW alumni to raise supports for funds from different departments
- Practice communication skills and abilities to solve unexpected situation
- Adjust to a formal office environment as a student
- Learn American cultures and knowledge from the trivia during breaks

Volunteers

FIUTS (Foundation for International Understanding through Students), Seattle, WA   Jul 2014 – Present
Student facilitator
- Guide campus tours on international student orientation
- Organize and prepare Wednesday Lunch
- Develop event topics and choose featured speakers at English conversation group
- Follow supervisor and organize tours to Boeing company
- Become a pen pal with an elementary school girl and tour her around campus

Collage of Engineering Discovery Day, Seattle, WA   Apr 2016
Volunteer
- set up and take down experiment booths
- introduce booths briefly to visitors and guide tours
- monitor the event and offer help to visitors

Time To Invent, Seattle, WA   Sep 2016 – Present
Volunteer
- Visit local elementary schools and instruct girls to do scientific experiments
- Inspire girls' interests in STEM by telling them our experiences
- Participate in several events such as making bouncy balls from glue, Borax and corn starch while learning about polymers

IT skills

- Microsoft Office tools such as Access and Excel
- Java programming
- Verilog programming
- Linux operation
- C/C++ and Python programming
- MATLAB and openSCAD
- Multisim and LTSPICE application
- Beaglebone platform programming