Shih-Pei (Stella) Wang

Computer Engineering Student

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EDUCATION

University of British Columbia

Bachelor of Applied Science – Computer Engineering   **May, 2022**

WORK EXPERIENCES

Monitoring Design Team Member   September, 2018 – Present

UBC Envision Green Joule

- Integrated a light box with a multi-disciplinary team to track growth of algae biofuel autonomously with Raspberry Pi, sensors, and Python

Instructor   April, 2019 – August, 2019

UBC Geering Up Engineering Outreach,

- Taught at a summer camp encouraging youth to pursue STEM careers by introducing them to technology and science concepts
- Developed teaching skills such as patience, creativity and communication

Director of Surrey District   September, 2014 – June, 2018

CACTES Association,

- Gained leadership skills by leading a team to organize local fundraisers
- Instituted monthly workshops at a local senior home to help bridge the gap technology has created between two distinct generations

SKILLS

Java   C   Git   Python   HTML   JavaScript   CSS   Verilog   ARM Assembly

PROJECTS

Portfolio Webpage   September, 2017 – Present

- Created a portfolio webpage through HTML, CSS, Ruby, and JavaScript, hosted on GitHub pages featuring project details, and writing excerpts

Food Fairy   October, 2019 - Present

- Developed a food waste manager web application using JavaScript, CSS, and FireBase at the University of Washington hackathon

RISC Machine   September, 2019 – November, 2019

- Built a simple Reduced Instruction Set Computer machine with branch and memory functions on the FPGA component of a De1-SoC board

INTERESTS & ACTIVITIES

Soccer – Coastal FC and UBC intramurals

Volunteer - Green Chair Recycling