Sihan Zhou

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SUMMARY

First-year in Electrical and Computer Engineering with 2 months' experience in hardware-related field. Interested in programming-related internship that involves a lot of human-computer interactions. Had programming project experiences in Python, C, MATLAB.

EDUCATION

University of Toronto, St. George   09/2022-05/2026
Major in Electrical and Computer Engineering
Shenzhen College of International Education
(Ranking. #3 International high school in 2022)   08/2018-07/2022

SKILLS

- **Programming Languages: C** on **Linux**, **MATLAB**, **Python** (GitHub Link).
- **Other Skills:** Strong Practical skills in both wet and dry lab; started doing lab work related to electronics and chemical reactions since grade 9; Good leadership skills demonstrated by being co-hosts of many clubs since grade 11.

RELEVANT COURSES

Linear Algebra, Calculus I, Computer Fundamentals (Language C), Electronic Fundamentals, Introduction to Electrical and Computer Engineering

WORK EXPERIENCES

Quality Inspector |Computer Engineering Intern| Dongguan City Topstar Circuit Co., Ltd   07/2022
- Got familiar with PCB (Printed Circuit Board) manufacturing process
- Participated in PCB manufacturing process design
- Went through ERP software application system from purchase order to warehousing

Quality Inspector |Computer Engineering Intern| Shenzhen CMY Optimal Precision Electronics Co., Ltd
                                                                                              08/2022

- Got familiar with SMT (Surface Mounting Technology) manufacturing process
- Learned SMT programming for electronic component placement

PROJECTS

1. Python Plotting Project (August 2022)
As a project contributor, I created and published a Repl on Replit using Python to summarize the common usage of Pygal and the techniques.
2. The Global Space Design Challenge (July 2021)
Being a project designer, I attended the Global Space Design Challenge held by ASDAN China, University of Oxford and Imperial College London. Students were divided into 10 groups of 30 students. Each student was in charge of one program for the design of a space station on Venus. I was tasked with designing a heat detecting circuit for the engine of the station in case of damage caused by too much heat buildup.

Awards

1. **2019 Canadian Open Mathematics Challenges**: Silver (National Ranking)
2. **The 2021 Global Space Design Challenge**: Distinction Award