ROGER NG ZI LIANG

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Professional Summary

A highly motivated and detail-oriented engineering student with a strong background in Robotics Systems, proficient in SolidWorks, Python, and C programming. Experienced in Systems Engineering, Data Analysis, and Project Management. Seeking an engineering internship to leverage my technical skills and contribute to innovative projects. Projects done are recorded in ePortfolio.

Skills

Technical Skills

- Data mining software: Rapid Miner
- Microsoft Office: Word, Excel, PowerPoint
- SolidWorks
- Basic Python and C programming
- Systems Engineering (SEBOK)
- Project management

Workplace Skills

- Fluent in English and Chinese
- Strong teamwork and analytical skills
- Responsible, meticulous, and self-motivated
- Effective interpersonal and communication skills
- Ability to work independently

Relevant Work Experience

Intern, Destination Services & Intercruises
Apr – Jul 2019

- Conducted data analysis using Excel Macro and Microsoft Access
- Collaborated on projects to improve processes
- Enhanced IT-related skills through research

Technical Projects

- **Robotics System Design Project**: Designed and implemented a robotic arm using SolidWorks, integrated with a Python-based control system.
- **Data Analysis Project**: Utilized Rapid Miner for data mining and analysis, leading to improved project outcomes.
- **Systems Engineering Project**: Applied SEBOK practices to develop a comprehensive engineering project, focusing on system requirements and lifecycle management.

Education

Bachelor of Engineering with Honors in Robotics Systems
Apr 2022 – Present

- Proficient in SolidWorks
- Basic proficiency in Python and C programming
- Knowledge of Systems Engineering practices (SEBOK)
- Exposure to ROS and C++
- Experience in Project Management

Diploma in Business Process & Systems Engineering, Temasek Polytechnic
Apr 2017 – Apr 2020

- GPA: 3.17/4

Additional Information

- Edusave Merit Bursary 2020 (Top 25%)
- Good Progress Award 2019 (Top 10% most improved)
- Polytechnic Major Project and Student Internship (Grade A)
- Polytechnic Key modules: Engineering Analytics, Marketing Research, Supply Chain Management (Grade A)