Soon Song Cheok

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OBJECTIVE

High-performing computer science major seeks to join an innovative organization that offers opportunities for continuous growth, where I can utilize my expertise and skills to contribute to the company's success.

EDUCATION

Oregon State University, Oregon, USA
Master of Engineering in Computer Science *GPA: 3.85* Mar 2022 –Dec 2023
Asia Pacific University, Kuala Lumpur, Malaysia
Bachelor of Engineering in Mechatronics Engineering (Hons) *GPA:3.42* Apr 2016 –July 2020

EXPERIENCE

Top Glove Corporation Berhad, Klang, Malaysia
Digitalization and Automation Engineer Sep 2020 - Feb 2021

- Designed and developed 3 **PowerApps** to automate manual order systems in 3 different factories to improve the efficiency of order systems and staff.
- Designed 2 **LabVIEW** programs for production lines to capture and transfer real-time data to the cloud to enable Industrial 4.0.
- Installed 80 sensors on 20 production lines and connected these sensors to **IoT** for real-time monitoring and performance evaluation.
- Partnered with co-workers to write **Power BI** queries to visualize real-time data on the dashboard for effective monitoring and immediate response to production issues.

Intel Products, Kulim, Malaysia
MIT Solutions Software Engineer (Intern) Feb 2019 – Aug 2019

- Worked as part of a 3-member team to design and develop a web application by using **Angular** framework, **C#**, and **Typescript** with **Agile** to reduce development time and cost.
- Utilized **Postman API** test tool to test web applications and resolved issues derived from the test in order to prevent bugs, reduce cost and improve performance.
- Provided technical support to maintain web application performance by completing 50 requests using the **Kanban** task management tool.
- Identified and resolved 10 web application vulnerabilities with high and medium risks to improve reliability and enhance security.

PROJECTS

Hand Gesture Recognition to Control SOLIDWORKS 3D space 2020
Developed a python script by using convolutional neural networks and enabled users to interact with SOLIDWORKS 3d space using hand gestures.

Smart Door with Face Detection 2020
Designed and implemented a security smart door system using Arduino, and Raspberry Pi 3 that can send email notifications through Node-RED server.

SKILLS & ACHIEVEMENTS

- **Programming Languages:** Python (4 years), C Language (1.5 years), C # (1 year), HTML (1 year), C ++ (1.5 years)
- **Soft-skills:** Time-management, Adaptability, Program-Solving, Teamwork, Self-Initiative, Agile
- **Languages:** English, Mandarin
- **Awards:** Robocon Malaysia Competition (Top 16), UEC awarded scholarship
- **Skills:** Operating System, Deep Learning, Parallel programming, Data Structures, Algorithms Analysis, Computer Architectures, Computer Graphics Shaders