LIM MING HONG

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EDUCATION

National University of Singapore | Bachelor of Engineering　　　　　　**Aug 2017 - Present**
- Major: Computer Engineering (Specialization in Internet of Things)

Technical University of Munich | NUS Overseas Colleges (Munich)　　　　**Feb 2020 - July 2020**
- Experienced entrepreneurial learning through working in a startup in Munich.

ACADEMIC PROJECTS

- Active Aid: An IoT project that aims to design an end-to-end Internet of Things (IoT) wearable device that can help users determine whether they are within a healthy range of physical exertion.
- Quora Insincere Questions Classification: A research study on how different machine learning models perform when used to classify sincerity in questions.
- CorpPro: A Java desktop application designed to allow users to better manage their contacts in a clean and organized environment.
- StudyLah: A simple Android application which allows the user to create study groups with other users.

WORK AND INTERNSHIP EXPERIENCES

Sonnenglas GmbH | Product Development Engineer (Intern)　　　　　　**Feb 2020 – Present**
- Implemented various features into their newest product by developing the software code for the Embedded System using tools such as debuggers (e.g. JTAG, SWD).
- Aided the team in designing the Printed Circuit Board (PCB) for the latest product by drawing out the layouts of the required peripherals in EAGLE software to alleviate some work for the lead designer.
- Supported the marketing team in launching the product in Singapore by researching on the legal requirements and market trends of the target audience. This allows the team to embark on a smoother launch.

TÜV SÜD PSB | Cybersecurity Test Engineer (Intern)　　　　　　**May 2019 – Aug 2019**
- Educated the company in expects of the IEC 62443 standard by breaking down the information and creating presentation slides to explain the different concepts of the standard.
- Engaged in a project where a smart plug (TP-Link HS100) is tested against a set of protocols and requirements, and vulnerability evaluation and networking tools (Nessus, Wireshark, etc) were used to produce results for the tests.
- Supported the labs by setting up new software and equipment which allows the lab engineers to produce tests results in a more efficient manner.

National University of Singapore | Teaching Assistant　　　　　　**Jan 2019 – Apr 2019**
- Facilitate labs session by attending to queries that the students have. This allows them to better understand their concepts.
- Aided the teaching team in helping with the administrative matters so that lessons can be conducted without any hassle.
- Helped the teaching team by marking the lab reports to allow them more time to plan lessons.

CO-CURRICULAR ACTIVITIES AND VOLUNTEER EXPERIENCES

Rotaract Club (Project HAK) | Operations Leader　　　　　　**Aug 2018 – May 2019**
- Engaged in cultural exchange activities by learning their language and customs and imparting some of ours to them to build a sense of mutual understanding between differing communities.
- Improved literacy by teaching the local students some basic English which allows them to interact with more ease with foreigners.
- Improved infrastructure by building a town hall for the village which also promotes cultural exchange at the same time.

ADDITIONAL INFORMATION

Technical Skills: C/C++, Java, Assembly, Verilog, GNU Bash, React JS, Google Firebase, XML, Microsoft Office, Python, EAGLE EDA, Python
Languages: English (Fluent); Mandarin (Average); German (Elementary)