

Ming Hong LIM

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Education

Aug 2017 – Present

National University of Singapore

Bachelor of Computing (Honours) in Computer Engineering
(Specialization in Internet of Things)

Singapore

Feb 2020 – July 2020

NUS Overseas Colleges

NOC Munich, Batch 4

Munich,
Germany

Work Experience

Feb 2020 – Present

Sonnenglas GmbH

Product Development Engineer (Intern)

- Developed the software of the latest product using common embedded systems development tools such as debuggers (e.g. JTAG), multi-meters and reading datasheets.
- Worked with version control software tools (e.g. git).
- 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.

Munich,
Germany

May 2019 – Aug 2019

TÜV SÜD PSB

Cybersecurity Test Engineer (Intern)

- 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.

Singapore

Jan 2019 – Apr 2019

National University of Singapore

Singapore

Teaching Assistant

- 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

Aug 2018 – May 2019

Rotaract Club (Project HAK)

Laos PDR

Operations Leader

- 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.

Project Work

Aug 2019 – Nov 2019

Quora Insincere Questions Classification

Team Member

Making use of Bayesian, Regression and deep learning models (RNN, LSTM, GRU), our group aims to accurately differentiate insincere questions from sincere questions. Knowledge of NLP is applied as well, including rigorous preprocessing of data and making use of pre-trained embeddings.

Aug 2018 – Nov 2018

Software Engineering Project (CorpPro)

Developer

CorpPro is a Java desktop application designed to allow users to better manage their contacts in a clean and organized environment.

GitHub Page: <https://github.com/CS2113-AY1819S1-W12-3/main>

Jan 2018 – Apr 2018

Autonomous Search and Rescue Robot (Vincent)

Team Leader

Vincent is a search and rescue robot developed for the Engineering Principles and Practice II (Computer Engineering) module. Its sole purpose is to map a room with SLAM algorithm and feed the map to the control unit. Both Vincent and the control unit will run the Robot Operating System (ROS).

Technical Skills

Proficient:

C/C++, Java, Assembly, Verilog, GNU Bash, Google Firebase, XML, Microsoft Office

Familiar:

React, Node.js, JavaScript, HTML, CSS, Python, EAGLE EDA

Language Proficiency

Spoken:

English – Fluent; Mandarin – Fluent; German – Basic

Written:

English – Competent; Chinese – Average; German - Basic