

Experience

Singapore Technologies Engineering Marine Ltd

September 2015 – February 2019

Senior Engineer

- Developed a prototype of the Ship Management System using Python and SQL, fulfilling a strategic need to access sensors data in ships.
- Developed the control logic for the company's combined scrubber system, which led to space and weight savings.

Automatic Controls and Instrumentation Pte Ltd

December 2013 – August 2015

Programmable Logic Controller Engineer

- Scheduled and executed critical upgrading works such as installation of a new Gigabit Ethernet network, new Controllers and their IO Cards and installation of new Uninterrupted Power Supply panels in a major Water Utility Plant.
- Taught Plant Operators to use new software packages that come with the new Controllers, SCADA, IP Cameras and Wireless Access Points.

National University of Singapore

June 2013 – August 2013

Research Assistant

- Researched on ways to improve the resolution of a subsurface microscopy system for integrated circuit failure analysis. Published research results as first author in a peer-reviewed journal.

Projects

WhatsUp

<https://whatsup-1153b.firebaseio.com/>

- Mobile implementation of a chatting application using Flutter and Firebase.
- Functionalities include authentication, viewing, sending and deleting of messages.

Pitch Booker

<https://pitch-booker.herokuapp.com/>

- Full stack implementation of soccer pitch booker using React, Express and PostgreSQL.
- Functionalities include creating, updating and deleting of pitches. User can search for available pitches within a time slot and create a booking.

Instagram

<https://instagram-55ddc.firebaseio.com/>

- Full stack implementation of Instagram like application using React, Redux and Firebase.
- Functionalities include authentication, viewing, uploading and deleting of images.

Lennon Wall

<https://desolate-eyrie-51440.herokuapp.com/>

- Full stack implementation of wall application using React, Express and PostgreSQL.
- Functionalities include authentication and creating of new wall/post.

Education

Rocket Academy

January 2020 - Present

Software Engineering

National University of Singapore

Graduated 2013

Bachelor of Engineering in Electrical Engineering

Skills & Proficiencies

React, Redux, Express, HTML, JavaScript, CSS, Flutter, Python, SQL