

SIEW L A PANG



FULL STACK DEVELOPER

CONTACTS

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ABOUT ME

- Mechanical design engineer turned full-stack developer, with years of education and experience in physical product design. Looking forward to using my newly acquired coding skills to build and design useful and user-centered digital solutions and products in the near future. Portfolio available at <https://siewla.github.io/portfolio/>.

EDUCATION

- SOFTWARE ENGINEERING IMMERSIVE**
GENERAL ASSEMBLY, SINGAPORE
2020
 - 6 months intensive full stack web development coding bootcamp.
- MASTER OF SCIENCE**
UNIVERSITY TECHNOLOGY MALAYSIA, MALAYSIA
2016
 - Mechanical Engineering
- BACHELOR OF SCIENCE**
PURDUE UNIVERSITY, UNITED STATES
2013
 - Mechanical Engineering

SKILLS

- JavaScript
- ReactJS
- NodeJS
- ExpressJS
- SQL - PostgreSQL
- NoSQL - MongoDB
- jQuery
- HTML5
- CSS

PROJECTS

- BRAIN OUT - CARDS**
Description: A gauntlet of card puzzles that involve interactions with cards. Players have to complete tasks like clicking on the highest valued card, or move a bunch of cards into a box, etc. There are currently 10 levels.

Stack: Built with HTML, CSS and JavaScript.
- IDEAGRAM**
Description: This application acts as a visual discovery engine for finding ideas like countries, recipes, home and style inspiration, and many more.

Stack: A full Stack application with Express JS (Node JS) and Template Engine (EJS).
- PINAPPS**
Description: This application serves to help its users organise and share the apps they commonly use.

Stack: A full Stack application using MERN (MongoDB, React, Express and Node) Stack.
- SWEET ACCOUNTANT**
Description: This application is a financial management app. This app also has charts and graphs which are extremely helpful in visualizing users' expenditure against users' income.

Stack: A full Stack application using NERDS (Node, Express, React, Database using SQL) stack.

WORK EXPERIENCE

- RDD ME ENGINEER | NOV 2019 - PRESENT**
D&K ENGINEERING, SINGAPORE
 - Working on designing a portable medical device under SGInnovate's awarded project.
- MECHANICAL DESIGN ENGINEER | SEP 2018 - OCT 2019**
DATUMSTRUCT (S) PTE LTD, SINGAPORE
 - Participated in SIMTech Robotic Training (Knowledge transfer of Robot Operating System) and in charged of NEA Innovation Grant Call (Integrated Autonomonous Hard Floor Scrubber with Security Survellience Capblities) technical write-up and conceptual design.
- SENIOR MECHANICAL DESIGN ENGINEER | AUG 2016 - SEP 2017**
MAGNUM ESSENCE SDN BHD, MALAYSIA
 - Solely in charged from concept generation, design development, tooling, manufacturing, production up to assembly line in with vendors in China of products to secure existing Pinpad devices from Ingenico, Verifone and many more.
- MECHANICAL DESIGN ENGINEER | OCT 2013 - AUG 2016**
DYSON, MALAYSIA
 - Involved in design and improve the drives mechanism and mobility of Dyson's first autononous vacuum cleaner, Dyson 360 Eye Robot Vacuum.