

DARREN THYNG CHUAN SIK

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EDUCATION

Singapore Management University

Singapore

Bachelor of Science (Information Systems), Major in Digitalization and Cloud Solutions

Aug 2020 – Current

- Major in Digitalization and Cloud Solutions
- Capstone Project: “OneRepoMax”
 - Digitalized a local gym work process, reducing their administrative time by 50-80% in recurring manual tasks
 - Achieved top 3 winner status for Dell Cloud Native Award

Universidad Pontificia Comillas

Spain, Madrid

Diploma in Economics and Business Administration

Jan 2023 – June 2023

- International Exchange Program
- Modules: Business Strategy, International Marketing, Consumer Behavior

Republic Polytechnic

Singapore

Diploma in Information Technology with Merit

Apr 2014 – Apr 2018

- Inducted to the Director's Roll of Honour (Year 2015-2017)
- Capstone Project: “Receive on your Behalf”
 - Implemented IoT and azure cloud technology to enable remote verification for automation receiving of delivery parcel

WORK EXPERIENCE

Government Technology Agency

Singapore

Business Analyst Intern

May 2022 – Aug 2022

- Communicated project progress to internal and external stakeholders, assisted in planning for multiple Smart Nation projects
- Created Business Processing Model Notion workflows with Camunda engine to streamline efficiency of workflow forms
- Conducted requirements gathering with external agencies to design smart sensors solutions for facilities and buildings
- Identified and implemented usability improvement with React for internal Decada Cloud IoT website

Fidor Solutions

Software Developer Intern

Munich, Germany

Oct 2017 – Apr 2018

- Built new version of API documentation tool to support/create API Starter Kit for Polytechnics
- Maintained API starter kits and SDKs in different languages
- Contributed improvement suggestions to improve user experience for Singapore Sandbox project and FidorOS Backoffice
- Assisted on implementing features of fOS Sandbox e.g. sorting and filtering

PROJECTS

- Capstone Project: Gym Class Booking System (The Strength Yard)
 - Overhauled and designed a responsive website for optimal user experience across devices with a mobile first approach, fluid grid layout, and touch-friendly navigation
 - Reduce administrative workload by 50-80% for manual recurring tasks
 - Implemented context injection AI chat bot with OpenAI API and LangChain framework
 - Tech Stack: HTML, CSS, VueJS, Python, Flask, Node.js, AWS
- Internet of Things Project (Code4Good)
 - Detects overhanging tree branches that are prone to breaking with camera modules and Google's AI Teachable Machine
 - Sensors detect and log incidents, sending footage and GPS location to AWS for dashboard visualization and follow up actions
 - Tech Stack: Python, C++, AWS, Google AI Teachable Machine

TECHNICAL SKILLS

- **Programming:** HTML, JavaScript, CSS, Python, PHP, MySQL, C++, JSON
- **Framework:** Flask, Bootstrap, Vue JS, React
- **Tools:** Git, Docker, Figma, Tableau, Tibco Spotfire, AWS, Postman, Excel Spreadsheet Modelling
- **Skills:** Agile Methodology, Stakeholder Management, Data Analytics

CERTIFICATIONS

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|---|------|
| • Dell Cloud Native Award | 2023 |
| • Google UX Design Certificate | 2023 |
| • She Loves Data Dashboard Foundations | 2021 |
| • Edusave Certificate of Academic Achievement (Ministry of Education) | 2017 |
| • Microsoft Imagine Cup | 2017 |
| • IMDA Industry Preparation for Pre-graduate (iPREP) Award | 2017 |