

EMPLOYMENT

Data & Analytics Intern	Ernst & Young LLP	May 2019 – July 2019
<ul style="list-style-type: none">Reduced 4 man-hour requirement every work week by automating report generation, through development of a unified data platform to consolidate data generated by different departments.Enhanced and debugged web application that search vast amounts of emails and creates a knowledge base.Performed handover to client through knowledge transfer to IT department and end users, created training materials.<u>Leveraged knowledge</u> in SQL, databases, ETL process, PySpark, Apache Zeppelin, Power BI, Excel (data manipulation), PowerShell, ASP.NET MVC, Razor Pages		
Software Engineer	Feezmodo Consulting Pte Ltd (startup)	Jun 2018 – July 2018
<ul style="list-style-type: none">Improved interdepartmental communication (instant chat vs emails) in a Fortune Global 500 company by developing middleware to interface Microsoft Teams with IBM Watson Chatbot.Trained client company's software engineers over 2 weeks to take over the project and replicate the steps needed to deploy onto production servers. Provided documentation and conducted technical walkthroughs.<u>Leveraged knowledge</u> in Node.js, Microsoft Azure, IBM Bluemix, IBM Watson Chatbot, Cloud Foundry, Linux (Bash), Markdown		
Software Developer Intern	PSA International Pte Ltd	Sep 2014 – Nov 2014
<ul style="list-style-type: none">Developed an employee pass reader API and established use cases of the API by implementing 2 reference applications; a desktop application and an Android app.Trained developers to understand code base by writing developer guide and Javadoc, as well as conducting technical walkthroughs.Reduced manpower requirements (1 worker) permanently 24 hours a day by developing an interactive kiosk utilizing the API to enforce mandatory short breaks for drivers. Increased driver rest time by 30%.<u>Leveraged knowledge</u> in Java, Android, Java Swing, concurrency, Smart Card (SS 529:2006/ICS 35.240.15), Javadoc		

EDUCATION

Singapore	National University of Singapore	Aug 2017 – May 2020
<ul style="list-style-type: none">Bachelor of Computing (Honours) in Computer Science<ul style="list-style-type: none">Focus area in Software Engineering. Coursework includes: data structures & algorithms, operating systems, networks, software design principles and patterns.Ridge View Residential College<ul style="list-style-type: none">Honed workplace communication and critical thinking skills through multidisciplinary coursework.		
Washington, D.C., USA	Georgetown University	Aug 2018 – Dec 2018
<ul style="list-style-type: none">Established contact and guided future students by being the pioneer batch of exchange student from my school. Refined communications skills to more effectively communicate in cross-cultural settings.		
Singapore	Nanyang Polytechnic	Apr 2013 – Feb 2015
<ul style="list-style-type: none">Diploma with Merit in Information Technology. Specialization in information security.Attained GPA of 3.94/4.0, Admitted to Director's List in 2013/2014/2015		

SOFTWARE PROJECTS

- Android Wearable Project (2015).** Developed an Android app over 3 months with a smart watch component to showcase Android wearable technology at school open house. Features include – watch app: live camera preview and control; phone app: image editing (stickers, frames), social media integration. Utilized: Android SDK, Java, cloud image processing platform.
- Java Enterprise Development Project (2013).** Developed a customized, fully featured inventory management system over 3 months for charity organization Food from the Heart. Existing off the shelf applications cannot fulfill their philanthropic use cases (rationing food, dietary restrictions). Utilized: Client side: HTML, CSS, JQuery. Server side: Java EE. Database: MySQL, Hibernate ORM.

LANGUAGES AND TECHNOLOGIES

- Proficient: OOP, Java, JQuery, JQuery DataTables, Git, RESTful API, Bootstrap, HTML/CSS
- Familiar: Java Swing, Java EE, SQL, Hibernate ORM, functional programming, ASP.NET/C#, Python, Javascript, Node.js, Android, Apache Maven, Gradle, Linux (Bash, Vim)