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EMPLOYMENT

Data & Analytics Intern   **Ernst & Young LLP**   **May 2019 – July 2019**

- 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**

- 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**

- 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 – Present**

- Bachelor of Computing (Honours) in Computer Science
    - Focus area in Software Engineering. Coursework includes: programming languages, data structures & algorithms, operating systems, networks, software design principles & patterns, written & oral professional communication.
- Ridge View Residential College
    - Honed workplace communication and critical thinking skills through two-year multidisciplinary coursework.

Washington, D.C., USA   **Georgetown University**   **Aug 2018 – Dec 2018**

- 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**

- 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. <u>Utilized:</u> 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). <u>Utilized:</u> 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, ETL process, functional programming, ASP.NET/C#, Python, Javascript, Node.js, Android, Apache Maven, Gradle, Linux (Bash, Vim)