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XIN SHEN YONG

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EMPLOYMENT

Software Engineering Intern　　　　**Caper Inc. (startup)**　　　　**Jan 2020 – July 2020**
- Accelerated business expansion into Canada by developing payment terminal integration into existing products.
- Enabled business team and client visibility into product KPIs by developing app analytics, data "playground", ETL process and visualizations (both internal and client facing)
- Increased engineering team coherency between New York and Shanghai office through bilingual communication and multi-region infrastructure deployments
- <u>Leveraged knowledge</u> in Android (Java/Kotlin), ReactiveX (RxJava), Python (pandas), Jupyter, Ruby on Rails, Docker, Kubernetes

Data & Analytics Intern　　　　**Ernst & Young LLP**　　　　**May 2019 – July 2019**
- Eliminated 4 man-hour requirement every week by automating report generation, through development of a unified data platform to consolidate data generated by different departments.
- Reduced email ticket response time by enhancing web application that search vast amounts of emails and creates a knowledge base.
- <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 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.
- 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 – Dec 2020**
- Bachelor of Computing (Honours) in Computer Science
  - Focus area in Software Engineering. Coursework includes: data structures & algorithms, operating systems, networks, software design principles and patterns.

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.

LANGUAGES AND TECHNOLOGIES

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