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PROJECTS

BSc. Information Systems: Final Year Project - TripBunny   **May 2017 - Nov 2017**
- Worked in a team of 6 worked on TripBunny Android Mobile, assisting a startup to create a travel application on the Android Mobile device.
- Took on the role as the Product Owner and part of the User Experience team, liaised closely with TripBunny's CEO, where the application developed eventually led to an acquisition of S$1,000,000.
- Awarded the Best Value to Sponsor Award across 22 other competing teams
- Technologies used: Android Studio, Espresso Testing Framework by Google, Java, Microsoft Azure
- Check it out here - https://play.google.com/store/apps/details?id=co.tripbunny.android.app&hl=en / https://invis.io/JKGHQEXFXY3

Visual Analytics Project   **Aug 2017 - Nov 2017**
- Worked in a team of 3 to develop interactive data visualisations to gather key business insights related to the travel industry.
- Took on the role as a front-end developer to drive insights through creating visualisation charts, which made use of Tableau (prototyping), Highcharts and D3.js.
- Check it out here! - http://34.216.96.123/va_is428/

Computer as an Analysis Tool   **Aug 2016 - Dec 2016**
- Explored with operation models to model a predictive solution for an external organisation, assisting them to predict conversion rates based off existing data collected
- Conducted a multinomial logistic regression to analyse real-time data on Microsoft Excel, using advanced formulas and VBA to model the predictive solution

RELEVANT EXPERIENCE

EY Singapore - Advisory, Risk (Cyber Security) Intern   **May 2017 - July 2017**
- Developed a proof-of-concept automation tool to automate the evaluation of clients' OS configurations according to hardening benchmarks in C#, using the ASP.NET MVC framework, which seeks to improve daily productivity by ~100%
- Worked closely with upper management to gather overall requirements to prepare a detailed design & technical documentation; liaised with an external party to develop the automation tool
- Edited VB Scripts to automate the extraction of client's Windows configuration settings
- Explored penetration testing methodologies and conducted research on large scale security breaches in organisations

Newera Tools & Machinery Pte. Ltd. - System Consultant   **Dec 2016 - May 2017**
- Proposed and lead the implementation of a cloud-based accounting software in their external branch in Jakarta, resulting closer monitoring for upper management and the transition from paper to digital data storage
- Worked with top management to restructure existing business processes within the organisation, resulting in >50% increase in daily productivity
- Enforced guidelines and standards on system reporting and archiving of transactions

Singapore Management University   **Aug 2016 - Dec 2017**
Research Assistant
- Co-author on a study on corporate crisis with consumer sentiment analysis of > 1 million tweets, training large sets of data through the labelling of data.
- Research paper submitted to ICA conference at the computational methodology division and Public Relations Review journal

TECHNICAL SKILLS

- Programming Languages: Java, Python, C#, SQL, HTML/CSS, JavaScript, PHP, Unix
- Operating Systems: Mac OS X, Windows, Linux
- Tools: IntelliJ, Visual Studio, PyCharm, Sublime Text, SourceTree, Tableau
- Certifications: Oracle Certified Associate, Java SE 8 Programmer

EDUCATION

University of Southern California **Present**

Undergraduate International Exchange Student (Spring 2018), Marshall School of Business

- One out of four students from Singapore Management University to be enrolled in the Exchange Program, making it one of the most competitive exchange programs to apply for

Singapore Management University **2015 - 2019**

Undergraduate | BSc. Information Systems, GPA: 3.84 / 4.00 (Summa Cum Laude)

Double Major in Information Systems & Analytics

- Dean's List for AY2016/2017

Temasek Polytechnic **2010 - 2013**

Diploma in Information Technology

- Accenture Prize AY2012/2013 - Awarded to the top graduating student of the Enterprise Business Informatics Track
- Director's List Award AY2011/2012 - Awarded to the top 10% of the cohort

EXTERNAL PARTICIPATIONS

J.P Morgan - Code For Good (Singapore) **September 2017**

- Collaborated with other coders to develop innovative technology solutions for Non-Profit Organisations (NPO); my team created a Telegram chat bot to fulfil requests for FoodBank (a NPO), to reduce the need for manual labour.
- Technologies used: Python, PostgreSQL, Heroku

J.P Morgan - SMU Enterprise Integration Competition: First Place **April 2017**

- Created a prototype that aims to empower marathon organisers to rapidly respond to medical emergencies. With a sports gear, the organising committee will be able to track the condition of all participants in real time. Coupled with analytics, anomalies are detected and immediate assistance can be given to these medical emergencies, with necessary information being seamlessly conveyed through an emergency channel.
- Technologies used: Java, C#, SQL, REST & SOAP Web Services, TIBCO BusinessWorks

LEADERSHIP

Singapore Workforce Skills Qualification **2016**

- Attained a Professional Diploma In Leadership and People Management

Full-time National Serviceman **2013 - 2015**

(NS) Officer Commanding of a Company / (NSF) Scout Platoon Commander

- Lead >150 soldiers within the company by coordinating and conducting training, fitness regime, and outfield exercises to improve the overall performance the company
- Awarded the Best Trainee, where commanders are placed under rigorous and mentally challenging conditions, to eventually lead reconnaissance soldiers.

LANGUAGE SKILLS AND INTEREST

Languages: Fluent in both English and Mandarin

Interests: Travelling, Tennis, Music