MARTIUS LIM JIA HAO

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SINGAPORE MANAGEMENT UNIVERSITY   Aug 2015 – Apr 2019 (Expected Graduation)
- Bachelor of Science (Information Systems), Analytics 2nd Major (Advanced Technology)
- CGPA: 3.77 / 4.00 – Magna Cum Laude (High Distinction)
- Awarded the Dean's List for AY 16/17

GOH FOUNDATION ENDOWED SCHOLARSHIP   Aug 2016 – Apr 2019
- Awarded in recognition of excellent academic results and leadership skills, out of four students annually.

SKILLS
- Java, JavaScript, Python, Ruby, Solidity, Git, Node.js, Ethereum, Ruby on Rails, MySQL, PostgreSQL, Linux (Fedora, Ubuntu), HTML/CSS
- Microsoft Office (Word, Excel, PowerPoint), Tableau, SAS Enterprise (Guide, Miner), Axure

WORK EXPERIENCE

SINGAPORE MANAGEMENT UNIVERSITY   Dec 2016 – Present
Student Assistant to Senior Lecturer Alan Megargel for SMU Teaching Bank (SMU tBank)
- Maintained and updated SMU tBank's services such as the Branch Teller and Retail Internet Banking apps.
- Developed new features for SMU tBank applications while adhering to a Service-Oriented-Architecture.
- Worked with the Software Architect and stakeholders to translate and deliver business requirements.

COINHAKO   May 2017 – Jul 2017
Software Engineer Intern
- Assisted company co-founders with key projects and expansion plans.
- Involved in decision making processes, planning and development of software.
- Developed features for a decentralized trading platform web application.

SINGAPORE MANAGEMENT UNIVERSITY   May 2016 – Apr 2017
Teaching Assistant to Professor David Lo, Senior Instructor Mok Heng Ngee
- Worked closely with the faculty to facilitate, mentor and manage over 60 students in the following courses: IS201 Object Oriented Application Development and Project "Let's Code!", an introductory programming course in Ruby for Junior College students.
- Graded weekly assignments, homework and offered weekly consultation sessions for the students.

PROJECTS

ETHEREUM MIDDLEWARE (JAVASCRIPT, NODE.JS, ETHEREUM, SOLIDITY)   May 2017 – Dec 2017
Lead Developer
- Developed well-documented RESTful APIs that adhere to software engineering best practices.
- Designed and developed Ethereum smart contracts in Solidity to facilitate trading on the blockchain.
- Configured and deployed a private Ethereum blockchain to fulfill business requirements.
- Wrote Bash scripts to automate processes in the development environment.
- Designed the security architecture for the middleware to protect user privacy.

STORE SALES FORECASTING (PYTHON, SAS)   Sep 2017 – Nov 2017
- Conducted exploratory data analysis and data preprocessing as well as integrated external data sources.
- Applied data mining and machine learning algorithms (XGBoost) to generate sales forecasts.

HOUR-OF-CODE: BUILD-A-BOT WORKSHOP SERIES   Sep 2017 – Oct 2017
Workshop Speaker, Organizer
- Planned and organized weekly technical workshops for the SMU student community.
- Delivered presentations on content related to chatbot development such as Microsoft Bot Framework, Node.js, JavaScript, Git and Microsoft Azure to over 100 participants.

SMU DOTNET BOT (JAVASCRIPT, NODE.JS)   Aug 2017 – Sep 2017
Community Manager Telegram Chatbot
- Built a chatbot for the SMU Microsoft Student Community of more than 200 members.
- Open-sourced the project to facilitate learning and encourage community development.

BIDDING ONLINE SYSTEM (JAVA, JSP, MYSQL, HTML/CSS)   Aug 2016 – Nov 2016
- Built a course bidding web application for the IS203 Software Engineering course.
- Managed the project using Agile software development practices to ensure project success.

SERVICE & ACTIVITIES

MICROSOFT STUDENT PARTNER   May 2016 – Present
Campus Lead
- Volunteered and facilitated for events such as Microsoft Machine Learning & Data Science Summit and FOSSASIA 2017.
- Planned and organized events and workshops revolving around Microsoft technology for over 200 participants from the SMU community.

SMU DOTNET SOCIETY (SMU MICROSOFT STUDENT COMMUNITY)   May 2016 – Present
President
- Campus Lead for a team of 13 SMU Microsoft Student Partners.
- Grew a student community from ground up to more than 200 members in 2 months.
- Engaged more than 200 SMU students in evangelizing Microsoft technology and products.

SMU WHITEHAT SOCIETY (INFORMATION SECURITY)   May 2016 – Aug 2017
Publicity Director
- Organized Cross-CTF, Singapore's first 24H Capture-the-Flag competition for more than 100 participants.
- Managed and updated the club's website and social media to reach out to more than 300 club members.

PROJECT PHONIKSA (OVERSEAS COMMUNITY SERVICE PROJECT IN VIETNAM)   Jan 2016 – May 2016
Pioneer Organizing Committee
- Worked with Hearts for Hue to empower more than 20 small business owners through financial literacy education.
- Conducted fun English lessons and incorporated life skills in two primary schools for over 80 students.

ROTARACT CLUB (SINGAPORE MANAGEMENT UNIVERSITY)   Oct 2015 – Jul 2016
Volunteer at Admiralty Student Care Corner
- Conducted fun and meaningful activities to provide emotional and educational support for over 30 kids from underprivileged families.

INTERESTS

- Reading (currently reading the Game of Thrones series)
- E-sports (previously winner of SMU DOTA 2 Competition)
- Contributing to open source projects