

EMPLOYMENT

Front-end Engineer Intern	Split	Fall 2021
<ul style="list-style-type: none">Involved in front-end development of customer mobile application (design, code, testing)Developed 2 UI components and documented on Storybook <i>React, React Native, TypeScript, Storybook</i>		
User Experience Intern	Halosis	Summer 2021
<ul style="list-style-type: none">Provided user-requirement analysis on e-commerce website and mobile application platformConsulted with creative and technical team to review current client's websiteDesigned mock-ups to solve client's business needs <i>AdobeXD</i>		
Software Engineer Intern (Full-stack)	AIA Singapore	Summer 2020
<ul style="list-style-type: none">Involved in debugging and re-factoring 2 modules to improve the existing code of project iRecruitIntegrated Prometheus for service monitoring, Grafana for data visualization into iRecruitImplemented Adobe Analytics event and data tracking for 3 pages on a web app portal <i>React, NodeJS, MS Azure, Adobe Analytics, Adobe Launch, Prometheus, Grafana, Kubernetes</i>		

EDUCATION

BSc (Information Systems)	Singapore Management University	Aug 2018 – Jan 2022
Major: Software Development GPA: 3.48/4.00 (Cum Laude)		
Teaching Assistant		Spring 2020 – Spring 2021
Programming Fundamental II, Web Application Development, Spreadsheet Modeling and Analytics <ul style="list-style-type: none">Marked lab exercises and consulting students on course material and projectEngaged with students with problems understanding lecture and consulted them on course project <i>Java, HTML, PHP, CSS, MS Excel, VBA</i>		
Research Assistant	Professor Shar Lwin Khin	Fall 2020 – Spring 2021
<ul style="list-style-type: none">Ran and analysed machine learning Python scripts to test 85 variants of the Synthetic Minority Oversampling Technique (SMOTE) to deal with imbalanced datasets <i>Python, command-line scripting</i>		

RELEVANT PROJECTS

Social Analytics And Applications (SMU-X)	A+ Grade	Spring 2021
<ul style="list-style-type: none">Transformed data collected from social media platform to identify key influencers for our project sponsor (Bynd Artisan) using exploratory data analysis, social network analysis and image analysis <i>AWS EC2, AWS Rekognition, NetworkX, Gephi</i>		
PSA Vessel Schedule Tracking	A Grade	Fall 2020
<ul style="list-style-type: none">Developed a Java web application built on Tomcat Server and deployed using Maven, retrieving data from PSA International (Sponsor) PORTNET APIPerformed key role in the development of user interface part of the application and connecting to back-end API services <i>Object-Oriented Programming, Java, Java Servlet, JSP, JDBC, JavaMail, Tomcat, Maven</i>		

Web Application Development II**A+ Grade****Fall 2020**

- Developed a web application to provide a platform for home business
- Involved in developing back-end API services and creating reusable components for user interface of the application

*Flask, NuxtJS, VueJS, Sass, Bulma.io, GCP, AWS S3***Airline Enterprise Solution****A Grade****Spring 2020**

- Implemented microservices architecture into developing a flight ticket booking web application
- Integrated APIs (PayPal, MailJet, GoQR.me) for back-end service and deployed app using Dockerfile containerization

*JavaScript, jQuery, Python, Flask, Jinja, Amazon RDS, RabbitMQ, Docker***Interaction Design and Prototyping****Fall 2019**

- Proposed idea of designing a mobile application prototype for dog owners
- Identified breakdowns, suggested feasible solutions and established requirements for target users
- Applied changes based on heuristic evaluations on paper prototypes in the first low-fidelity iteration to design high-fidelity prototypes
- Conducted 5 laboratory studies to receive feedbacks on current version
- Executed A/B testing and Web Experiment using Loop11 with 20 participants

*Sketch, Adobe XD, Figma***Software Project Management****Fall 2019**

- Developed a working web application applying Agile methodology for 5 iterations
- Played a role of a Project Manager for the first iteration to assist team with consolidate requirements, project scheduling, breaking down work structure, risk managing and reviewing metrics
- Continuously participated in Pair-programming sessions, commit, and manage changes on team project's Git repository
- Implemented regression testing to ensure functionalities are successfully integrated and conducted UAT in prior to deploy app to AWS Cloud's instance

*Git, PHP, HTML, CSS, MySQL, JSON***Spreadsheet Modeling and Analytics****A+ Grade****Fall 2019**

- Successfully solved problems facing by our client as a new start-up company by constructing a spreadsheet model to determine cost optimisation
- Created an appointment booking system using Excel Visual Basic for Application to tackle our client's issue of manpower constraint, providing customer database for future marketing strategy

*Microsoft Excel, Visual Basic for Applications***SKILLS & ADDITIONAL INFORMATION**

- Certificates: AWS Cloud Practitioner, Oracle Java Foundations Associate
- Competitions: 2019-JunctionX Singapore, 2020-Shopee Code League, CodeFiesta 2021
- Related coursework: Computational Thinking, Data Analytics, Computer Networking, Cybersecurity, Data Privacy, Project Management
- Other skills: Web scraping, Tableau, Microsoft Power Apps
- Language spoken: Vietnamese (Native), English (Fluent)
- Hobbies: music production, content creation, video editing