AUSTIN WOON QUAN

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EDUCATION

Singapore Management University (Bachelor of Science in Information Systems, Software Development Major) **2017 – Present**
- Cum. GPA: 3.92/4.00 (Summa Cum Laude)
- *Awards:* Dean's List Academic Year 2017/2018, 2018/2019; IMDA Industry Preparation for Pre-graduate (iPREP) Programme
- Active in Hackathons

PROFESSIONAL EXPERIENCE

Bambu / *Software Engineer Intern* **Jan 2021 – April 2021**
- Worked with React, Redux, FastAPI, Flask and NodeJS technology stack to develop robo-advisors for other businesses.
- Developed a sustainability focused robo-advisor. This web platform allowed wealth managers to compare portfolios in relation to the different ESG pillars and make decisions on the best combination of ESG equities to select for a portfolio.
- Conducted Frontend testing with Cypress and integrated a payment gateway with Stripe.

Goldman Sachs / Software *Engineer Summer Analyst* **July 2020 – August 2020**
- Developed a full-stack web application with React, Redux and Express which serves as a single-source of truth for tracking of Over-the-counter derivatives' regulatory statuses. This project will be pushed to production in the future after UAT.
- Optimized existing microservices' request chain, this eliminated redundant network requests and sped up client-side response times.
- Won "Best User Interface" and 1st Runner up for internal 5-day Goldman Hackathon. Created a full-stack dashboard application with React, Redux, Elasticsearch and Flask which optimized cash balance of bank accounts for Portfolio Managers.

Shopee / *Data Analyst Intern* **May 2019 – Aug 2019**
- Programmed Python scripts on Apache Spark to automate data pipeline processes and insight generation for Inventory Management. These projects significantly reduced cost of inventory mismanagement and enhanced working capital.
- Designed and implemented automated data quality checks across Shopee's databases with Airflow and Spark. These checks helped eliminate data discrepancies from 50% to 0%.
- Developed an initiative to clean Shopee's database of brands which helped to streamline the procurement lifecycle by increasing sales forecasting accuracy.

PROJECTS

FAEDAS: FAEDAS is an Events Matching platform that serves to automate the beneficiary-volunteer pairing process for the Singapore Deaf Association (SADeaf). It also serves as a single-source of truth for SADeaf's administrative needs such as tracking of invoices, feedbacks and event history.
- **Technology stack:** VueJS, Terraform, AWS, NodeJS, GraphQL, Hasura, Github Actions, ElementUI
- Full-stack web application hosted on AWS with a CI-CD Pipeline implemented on Github Actions

Travue: *Web Application to help simplify the travel itinerary planning process before a holiday.*
- **Technology stack:** NodeJS, VueJS, Vuetify
- Main Feature: Dashboard interface which aggregates information from multiple APIs and a Kanban style travel planner.

EZStock: *Web Application which helps users make informed stock market decisions. Implemented with Microservices Architecture.*
- **Technology stack:** NodeJS, Flask, ClearDB, Heroku, SQL, Python
- Main Feature: Dashboard interface which shows users information such as market sentiment and historical highs and lows.
- Fully cloud-deployed application (Heroku) which uses an API Gateway (Apigee) to connect with 5 self-developed Microservices.

EXTRA-CURRICULAR ACTIVITIES / VOLUNTEER EXPERIENCE

The Mentoring Circle **Sept 2020 – June 2021**
- Guided and coached a mentee towards reaching his goals in the tech industry.

Overseas Community Involvement Programme (OCIP) Project Ippon **Jan 2018 – May 2018**
Fundraising Director
- Spearheaded day-to-day fundraising operations and logistical processes which helped raise over $3,000 for our beneficiaries.
- Travelled to Philippines for three weeks to help the less fortunate children in two separate schools. Over there, we constructed a library for the children to study in and taught student's important life values through sports and games.

SMU Ultimate Frisbee **Aug 2017 – Present**
- Two Time (2017, 2018) National Singapore University Games (SUniG) school representative.
- Held leadership roles as an SMU Ultimate Frisbee Captain 2018 and 2019 during Ultyschools Tournaments.

SKILLS

- **Programming Languages & Frameworks:** React, Redux, Express, Javascript, MongoDB, Python, PHP, CSS, HTML, Java, MySQL, VueJS, AWS, Github Actions, Terraform, Spark
- **Experience in Software/Platforms:** Microsoft Excel, Tableau, SAS Software, Amazon Web Services