AUSTIN WOON QUAN

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EDUCATION

Singapore Management University (Bachelor of Science in Information Systems, Software Development Major)   **2017 – 2021**
- **Cum. GPA:** 3.96/4.00 (Summa Cum Laude)
- **Awards***: Dean's List Academic Year 2017/2018, 2018/2019; IMDA Industry Preparation for Pre-graduate (iPREP) Programme
- **Extracurricular Clubs:** Ultimate Frisbee First Team, Mentoring Circle Mentor, Fundraising Director for Community Service Program
- Active in Hackathons (Top 5 Placing CodeItSuisse 2019, 1st Place for school-wide 2019 JP Morgan internal Hackathon)

PROFESSIONAL EXPERIENCE

Bambu / Software Engineer Intern   **Jan 2021 – Apr 2021**
- Worked with React, Redux, FastAPI, Flask, Docker and NodeJS technology stack to develop robo-advisors for other businesses.
- Rewrote full-stack features which improved client-side load-times and significantly reduced backend load.
- Created and maintained unit and integration tests with Cypress.

Goldman Sachs / Software Engineer Summer Analyst   **Jul 2020 – Aug 2020**
- Developed a full-stack web application with React, Redux, and Express for the Regulatory Engineering team.
- Automated testing and deployment of application through a Gitlab Pipeline. Managed infrastructure with Kubernetes and Docker.
- Developed a backend-for-frontend service which aggregated data and reduced client-side response times by 50%.
- 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 churn both predictive and descriptive insights.
- 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%.

PROJECTS (View more on my personal website or Github)

FAEDAS: *Events Matching platform and Enterprise Application for the Singapore Deaf Association (SADeaf).*
- **Technology stack:** VueJS, Terraform, AWS, NodeJS, GraphQL, Hasura, Github Actions, ElementUI
- Custom enterprise application which handled the volunteer-beneficiary pairing process, events management, invoice tracking, user management and customer resource management needs for SADeaf.
- Mapped complex business rules and processes into a fully-functional web application with the Agile Project Methodology.

Stock Trading Bot: *Automated trades with Interactive Broker's API based on personal rules, news and sentiments.*
- **Technology stack:** Python, Postgres, IBKR API
- Constantly polled for news from external sources and set IOC orders at an appropriate ask price determined by personal rules, historical prices and sentiments. 5% rate of return over three months from January to March 2021.

KnapTravel: *Travel planning application which automatically generated travel itineraries for tourists.*
- **Technology stack:** VueJS, SpringBoot, Docker
- With two constraints: (1) A user's interests and (2) their visit duration, a Knapsack + K-means algorithm was used to generate an itinerary for tourists and visualized onto a front-end web application.

My Portfolio: *Portfolio website to showcase projects done over my tenure as a developer*
- **Technology stack:** React, CSS, Framer Motion, ChakraUI

SKILLS AND TOOLS

- **Languages**: JavaScript, Python, Java, PHP, MySQL
- **Frameworks and Tools:** React, VueJS, Express, Docker, Kubernetes, Github Actions, Terraform, AWS, Git, GraphQL, Hasura