

Alden Sio

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WORK EXPERIENCE

National University of Singapore

Teaching Assistant

Singapore

Aug. 2023 - Present

- CS2030 - Programming Methodology II (Taught in Java)
 - * Topics Covered: Object-Oriented Programming, Functional Programming
- BT1101 - Introduction to Business Analytics (Taught in R)
 - * Topics Covered: Data Analysis & Cleaning, Hypothesis Testing, Linear Regression, Time Series Forecasting, Linear Optimisation

Panda Commercial Bank PLC.

Software Engineer/Technology Consultant

Phnom Penh, Cambodia

May. 2023 – Aug. 2023

- **Software Development:** Implemented and Documented multiple features within the Panda Bank application, overseeing payment systems and onboarding of customers
 - * Integrated Bakong (Cambodia's fund transfer service) and e-KYC (Electronic Know-Your-Customer) APIs and SDKs into Panda Bank application
 - * Automated customer on-boarding, and expedited it to within 1 minute
- **Data Engineering:** Devised Data Pipelines for Data Cleaning, Extraction, & Analysis by applying **Java frameworks** (MyBatis) and MySQL (Navicat)
 - * Utilized Spring Boot to configure database transactions, reducing development time by 25%
- **Technology Consulting:** Facilitated processes of development to assure adherence to National Bank of Cambodia's (NBC) Technology Risk Management Guidelines

EDUCATION

National University Of Singapore

Bachelor of Science in Business Analytics

Singapore

Aug. 2022 – Apr. 2026

- Grade: Expected First Class Honours

PROJECTS

Gobber | React Native, JavaScript, ExpoGo, Firebase, GitHub, Google Cloud Platform

May. 2023 – Aug. 2023

- Designed a fare aggregator for ride-hailing services: Grab, GoJek, and CDG Zig
- Reduced decision time for over 20 users on launch
- Led GitHub utilization for streamlined version control, enhancing partner collaboration to preserve accurate code change tracking
- Maintained serverless cloud infrastructure to host RESTful APIs such as 3 fare-fetching APIs by deploying Firebase Cloud Functions to improve error handling, security, and reliability

WhoLikesMe? | JavaScript, RESTful APIs, Postman

Oct. 2023 – Nov. 2023

- Programmed a Chrome Extension that allows OkCupid users to see who has liked them
- Explored fetching calls to existing API endpoints

Swiped | Python, PyAutoGUI

May. 2022 – Aug. 2022

- Created a Fifa 22 Card Sniping Bot to assist in buying in-game cards
- Published Python Script to Reddit gaining 1K+ interactions
- Collaborated with Reddit users to get feedback about current functions and future improvements
- Implemented workarounds to Fifa's auto log-out

TECHNICAL SKILLS

Languages: Python, Java, R, Tableau, SQL, Docker, React Native, JavaScript, HTML, CSS, Vue

Developer Tools: Git, Postman, Firebase, Google Cloud Platform, VS Code, Visual Studio, PyCharm, R-Studio, Microsoft Office, IntelliJ, R-studio

Libraries: pandas, NumPy, Matplotlib, sklearn, nltk, wordcloud, seaborn, MyBatis