

Kevin Winata

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Education

Nanyang Technological University Singapore

Singapore

B. ENG IN COMPUTER SCIENCE

Jul. 2017 - Jun. 2021 (Expected)

- Current CGPA: 4.43 out of 5
- Minor in Entrepreneurship: executed a business project, *Hallo* (team of 6 people), which provided dormitory essentials rental service for exchange students. Yielded revenue of over 5,000 SGD and more than 160 customers in 4 days of sales.

Work Experience

Shopee

Singapore

SOFTWARE ENGINEERING INTERN · PAYMENT TEAM

May. 2020 - July. 2020

- Designed and developed an anomaly service reporting service. Learned to work on a large code-base and tried different use cases of Redis cache.
- Integrated Prometheus and Grafana to monitor internal APIs usage rate by each different microservices.
- Built admin panel to configure service parameters and API permissions.
- Implemented an auto-theme-color-changer of admin panel based on the environment (dev/test/staging/production).

Thales

Singapore

SOFTWARE ENGINEERING INTERN · MOBILE SECURITY TEAM

Aug. 2019 - Dec. 2019

- Restructured the build process of mobile SDK libraries, handling low level binary compilation and package management with CMake and Conan.
- Built a package manager for managing pre-built binaries inter-operable with Nexus repository manager.

Shopee

Singapore

OPERATIONS ANALYTICS INTERN · LISTING TEAM

May. 2019 - Jul. 2019

- Researched on methods to eliminate wrongly categorized product using SVM and rule extraction methods, which is used to deactivate at least 3 million low quality product listings.
- Built automation tools library and wrapper with Google Sheets API.

NTU Libraries

Singapore

PART-TIME IT OFFICER · DIGITAL PORTAL INITIATIVES

Feb. 2018 - Feb. 2019

- Built a service desk chat-bot using wit.ai as NLP recognition.
- Built augmented reality applications for campus showcase using AR.js and Unity.

Projects

Scikit-learn

Open source

CONTRIBUTOR

2019

- Contributed to several bug fix and documentations.

Reversi AI Player

Personal project

AUTHOR

2018

- Incorporated alpha-beta algorithm with custom domain knowledge strategies to play Reversi (the board game, a.k.a. Otthelo).
- Designed and implemented generative algorithm to search for optimal model parameters.

Co-curricular Activities

NTU Students' Union - IT committee

CHAIRMAN (PREVIOUSLY A MEMBER SINCE AUG. 2017)

Aug. 2019 - July. 2020

- Lead the design and development of new and existing services.
- Managed the infrastructure using AWS (EC2, RDS, S3, SES), Docker, NGINX, Unicorn, and CI with Travis.

Skills

Comfortable with: Django, Python, Containers/Docker, Databases, Redis, Scikit-learn, Pandas

Familiar with: Spark, Prometheus, Locust, Java, JavaScript, HTML, CSS, Regular Expressions, Bash, SQL, C/C++, CMake, LaTeX

Awards

Indonesia National Mathematics Olympiad

Palembang, Indonesia

SILVER MEDALIST

May. 2016