

Ling Zhi Yu

✉ zhiyulingwork@gmail.com

📧 @zhuyu

☎ + (65) 9171 4671

🌐 github.com/lingzhiyu

🌐 linkedin.com/in/lingzhiyu

Education

Singapore, Singapore

National University of Singapore, NUS

Aug 2017 - May 2021

- Bachelor of Computing, Computer Science - Expected May 2021
- **Programming Coursework:** Data Structures & Algorithms, Operating Systems, Networks, Computer Security, Artificial Intelligence, Databases (Expected May 2021)

Employment

Software Engineer Intern

Lazada, Redmart

Aug 2020 - Dec 2020 (Expected)

- Developing data pipeline to transform proprietary raw data into suitable training data for libpostal model training
- Improving trained libpostal model performance by selecting and enriching raw data with labels
- **Leveraged knowledge:** MaxCompute (ODPS), Alibaba Cloud Object Storage Service (OSS), DataStudio, libpostal, Python, Java

Blockchain Developer Intern

Nickel (Startup) 🔗

May 2019 - Jul 2019

- Modified Kubernetes clusters to use isolated local persistent volumes instead of nfs-based volumes, granting high availability and persistence to platform's blockchain network
- Coordinated sales enquiry of commercial PKI cert from GlobalSign
- **Leveraged knowledge:** Git, Hyperledger Fabric, Kubernetes, Ansible

Web Developer Intern

Pitchspot (Startup) 🔗

Jan 2019 - Apr 2019

- Developed an automated transactional email response on the Pitchspot Enterprise platform using Google Cloud functions, SendGrid and Mailchimp APIs
- Developed web-form on pitchspot.co to collate details from potential clients to Google Sheets
- **Leveraged knowledge:** Git, Angular, Google Cloud Functions, GoogleSheets SDK

Projects

Food Delivery Service CRUD Application 🔗

Jan 2020 - May 2020

Nodejs, Expressjs, PostgreSQL

- Designed Entity-Relationship (ER) diagrams to capture project data requirements
- Developed PostgreSQL schema based on ER diagrams
- Implemented triggers and user-defined functions (UDFs) to enforce ER diagram constraints by using PostgreSQL's procedural language, PL/pgSQL
- Developed RESTful APIs for PostgreSQL CRUD queries

Tensorflow LSTM Model 📄

Jan 2020 - May 2020

Python, Tensorflow

- Trained and optimised LSTM model to forecast dengue incidence 4 weeks in advance

Secret Santa Telegram Bot 🔗

Aug 2019 - Sep 2019

Python, Heroku, PostgreSQL, Git

- Developed a Telegram bot in Python together with a friend for a residential college-wide Angel Mortal game with an estimated 300 participants

HealthBase 🔗

Aug 2018 - Nov 2018

Java, IntelliJ IDEA, JUnit 4, AsciiDoc, Git

- Worked in a team of 5 on a brownfield Java desktop CLI application for data management
- Developed CLI command feature for project, wrote units tests and documentation on User and Developer guides

BTOViewer 🔗

Aug 2018 - Nov 2018

Javascript, Reactjs, Git

- Developed webpage using React.js and Leaflet to visualise relevant information for Built-to-Order (BTO) housing buyers on OpenStreetMap
- Placed Top 5 in the second highest category, Project Gemini

Skills

Software skills: (*Working*): Git, Python, SQL, HTML/CSS (*Familiar*): Javascript, Java

Languages: English (native), Chinese (conversational)