

Ling Zhi Yu

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Education

Singapore, Singapore	National University of Singapore, NUS	Aug 2017 - May 2021
<ul style="list-style-type: none">Bachelor of Computing, Computer Science - Expected May 2021Programming 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)
<ul style="list-style-type: none">Developing data pipeline to transform proprietary raw data into suitable training data for libpostal model trainingImproving trained libpostal model performance by selecting and enriching raw data with labelsLeveraged knowledge: MaxCompute (ODPS), Alibaba Cloud Object Storage Service (OSS), DataStudio, libpostal, Python, Java		
Blockchain Developer Intern	Nickel (Startup) 🔗	May 2019 - Jul 2019
<ul style="list-style-type: none">Modified Kubernetes clusters to use isolated local persistent volumes instead of nfs-based volumes, granting high availability and persistence to platform's blockchain networkCoordinated sales enquiry of commercial PKI cert from GlobalSignLeveraged knowledge: Git, Hyperledger Fabric, Kubernetes, Ansible		
Web Developer Intern	Pitchspot (Startup) 🔗	Jan 2019 - Apr 2019
<ul style="list-style-type: none">Developed an automated transactional email response on the Pitchspot Enterprise platform using Google Cloud functions, SendGrid and Mailchimp APIsDeveloped web-form on pitchspot.co to collate details from potential clients to Google SheetsLeveraged knowledge: Git, Angular, Google Cloud Functions, GoogleSheets SDK		

Projects

Food Delivery Service CRUD Application 🔗	Jan 2020 - May 2020
Nodejs, Expressjs, PostgreSQL	
<ul style="list-style-type: none">Designed Entity-Relationship (ER) diagrams to capture project data requirementsDeveloped PostgreSQL schema based on ER diagramsImplemented triggers and user-defined functions (UDFs) to enforce ER diagram constraints by using PostgreSQL's procedural language, PL/pgSQLDeveloped RESTful APIs for PostgreSQL CRUD queries	
Tensorflow LSTM Model 📄	Jan 2020 - May 2020
Python, Tensorflow	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">Worked in a team of 5 on a brownfield Java desktop CLI application for data managementDeveloped CLI command feature for project, wrote units tests and documentation on User and Developer guides	
BTOViewer 🔗	Aug 2018 - Nov 2018
Javascript, Reactjs, Git	
<ul style="list-style-type: none">Developed webpage using React.js and Leaflet to visualise relevant information for Built-to-Order (BTO) housing buyers on OpenStreetMapPlaced 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)