

JUN HUI TEO

Full Stack Software Engineer

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SUMMARY

I am currently a full-stack software engineer intern at Vida Health focusing on developing end to end enterprise and security features especially on the backend.

Seeking a final-year full-time internship position in software engineering from August 2020.

EXPERIENCE

Vida Health

Full Stack Engineer Intern

Aug 2019 – July 2020

San Francisco

- Designed data models in Django. Developed APIs in Swagger & deployed on Google Cloud Platform to support features like live call auditing, file transfers, new user signups.
- Developed end to end features across the mobile app in Android & the web dashboard in React.
- Developed security features; Track user activity on admin page with Snowplow for enhanced access control. Built two-factor-authentication for user logins.
- Expedited onboarding of users on Android, by implementing deep-links.

Salesforce

Software Engineer Intern

May 2019 – Aug 2019

Singapore

- Implemented a distributed task scheduler in Celery & RabbitMQ to stagger network calls and maximise data throughput, improving responsiveness of dashboards.
- Augmented monitoring dashboard with data integrations from multiple sources to improve monitoring of datacenter status.
- Developed a web interface in Flask and Bootstrap, saving many developer hours in testing.
- Improved devops pipeline, writing scripts to use Docker for deployment.

iota medtech

Developer & Product Management Intern

May 2018 – Aug 2018

Singapore

- Modelled CNN in Keras to analyse radiological images that was showcased at the NUS-NUH-MIT health datathon.
- Planned their proprietary surgical robotic system architecture and designed data-flow for patent filing.
- Spearheaded their patient management systems' initial prototype, designing its front-end interface.

Singapore Armed Forces

Aviation Material Specialist

Nov 2015 – July 2017

Singapore

- Extracted and analysed inventory data from SAP warehouse to ensure account integrity.

AWARDS

- A-Star Science Award:** Awarded by recommendation to about 30 students in my cohort for excellence in STEM

EDUCATION

Bachelor of Computing in Computer Science (Minor in Statistics)

National University of Singapore [GPA: 4.65/5]

Aug 2017 – May 2021 (Expected)

- Specialising in **Artificial Intelligence, Computer Networks & Distributed Systems** with modules in Information Retrieval, Machine Learning, Parallel & Distributed Algorithms.
- Stanford University (SCPD AI track)** – Co-op Program Aug 2019- 2020. 1 of ≈ 35 selected from across the university each semester.
- University of Texas at Austin** – Semester Abroad Fall 2018

SKILLS

Languages: Python, Java, Kotlin, SQL, JavaScript, GraphQL, C

Software: Django, Android, React, Postgres, Firebase, Flask, Celery, Keras, Swagger

DevOps: Google Cloud Platform, Docker

PROJECTS

IMDB for Environmental Charities

Sept - Dec 2018

- Progressive web app. Repository of environmental charities to encourage users to contribute. [React front-end, Python, Flask back-end, Postgres DB, Deployed on AWS]
- Organised information scraped from different sources into a relational model. Dynamically create queries so users can toggle between, search for & filter charities from the same page

Multi-user Meal Planner

May - Aug 2018

- Smart meal planner that recommends recipes, or allows users to custom-build one. [Android & Firebase]
- Mobile app automatically syncs ingredients of recipes to a global shareable list & allows users to schedule notifications for their purchase.
- Attained the highest advanced level of achievement reached by only 15-20% of teams.

Disruptive Innovation & Competition Policy Paper

May 2017 - Sept 2017

- Applied regression & panel analysis to examine the effects of artificial intelligence on monopoly power and make recommendations.
- Attained first runner-up.