JUN HUI TEO

Full Stack Software Engineer

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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**; Modules in Information Retrieval, Machine Learning, Parallel & Distributed Algorithms.
- **Stanford University (SCPD AI track)** – Co-op Program Aug 2019 - 2020. 1 of $\approx$ 35 selected from across the university each semester.
- **University of Texas at Austin** – Semester Abroad Fall 2018

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 new enterprise features for payers.
- Developed end to end features across the mobile app in **Android** & the web dashboard in **React** & **Redux**, driving a 3 fold increase in user signups.
- Developed security features; Tracked 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 at least 20 percent, 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, optimising proxy call limits.
- Augmented dashboards with data integrations from multiple sources in **Python** to improve accuracy in monitoring of datacenter status.
- Developed a web interface in **Flask and Bootstrap**, saving many developer hours in testing.
- Containerised deployment with **Docker**, expediting deployment to a single command.

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 its data-flow for patent filing.
- Spearheaded their patient management systems' initial prototype, designing its front-end interface, securing their collaboration with medical partners.

SKILLS

Languages *Advanced:* Python, Java
Intermediate: Kotlin, SQL, JavaScript, GraphQL, C

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

DevOps Google Cloud Platform, Docker

PROJECTS

dr.ai

📅 Feb 2020

- A voice assistant web app to improve health access. Parses user dialogue to learn patient symptoms, and provide personalised diagnosis & treatment. [**Flask** backend, NLP Bio-BERT Model in **Python**]
- Performed text to speech conversion with NLP & built the API for virtual consultations.

IMDB for Environmental Charities

📅 Sept - Dec 2018

- Progressive web app. Repository of environmental charities to encourage users to contribute. [**React** front-end, Python,Flask backend, **Postgres** DB, Deployed on **AWS**]
- Organised information scraped from different sites into a relational model. Dynamically create SQL queries as users toggle between, search for & filter charities from one page.

Multi-user Meal Planner

📅 May - Aug 2018

- Smart meal planner that recommends recipes, or allows users to customize their own. [**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 AI on monopoly power.
- Attained first runner-up.

EXTRACURRICULAR ACTIVITIES

- **NUS BizIT Club:** Spearheaded and mentored students in their machine learning projects.
- **Enactus:** Developed a web platform with **React** & **Redux** to support a social enterprise that helped match disadvantaged adolescents with suitable jobs.

AWARDS

- **A-Star Science Award**: Awarded by recommendation to less than 30 students from a national cohort in the thousands for excellence in STEM