

Jia Ying Chow

SINGAPORE | ELIGIBLE FOR H-1B1 VISA

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Education

National University of Singapore

Aug 2018 - May 2022

- Bachelor of Computing (Hons.) in Computer Science
- Focus Areas: Software Engineering (Distinction), Programming Languages
- Completed the NUS Overseas College (Singapore) program: a 6 months internship at a startup with entrepreneurship coursework at NUS
- Founded Women in Tech @ NUS Computing, an incubating student interest group that supports diversity and inclusion in NUS Computing

Experience

Indeed Singapore, Software Developer

Jul 2022 - Mar 2023

- Implemented full stack feature for reporting chats in Indeed Anon, a chat app that connects users so they can ask questions about job roles
- Implemented A/B tests in Indeed Anon to experiment with features to increase user engagement, resulting in a 100% increase in user matches
- Implemented logging in Indeed Anon to track product metrics that helped inform further product decisions, and helped 2-3 external teams implement logging in their work
- Developed a form to collect jobseeker information for Indeed's resume editor using a React frontend and GraphQL API, with support for 24 different countries. Added unit and end-to-end tests with Jest and Cypress.
- Led a design review to migrate a widely used package away from a legacy codebase into its own repository, outlining steps to test, deploy and inform existing users of the migration

Shopee Singapore, Software Engineering Intern

May 2021 - Aug 2021

- Implemented features for an internal portal that allows non-technical teams to deploy marketing assets to the Shopee app
- Developed a tool to allow non-technical teams to test and validate targeted marketing rulesets in Shopee's backend system
- Collaborated with backend teams to iterate on API specifications prior to feature implementation

Toppan Ecquaria Pte Ltd, Software Engineering Intern

Feb 2021 - May 2021

- Explored integration of AWS Textract, Lambda and S3 to automate PDF text extraction for a PDF document search engine
- Implemented backend APIs in a Flask server to perform text extraction with Apache Tika and upload processed text to AWS Elasticsearch
- Created frontend pages for document uploading, searching and management and integrated the relevant APIs

Switchero Labs, Frontend Developer Intern

Jul 2020 - Dec 2020

- Worked on the trading interface of DEMEX, a decentralised exchange for cryptocurrency margin and derivatives trading
- Refactored the visual theming system of DEMEX to be more aligned with Material UI's design patterns
- Configured TSLint linters on frontend code bases, reducing >100 linting errors and saving developers' time on manually formatting code
- Implemented the search feature in TradeScan, the blockchain explorer for an internally developed blockchain

Skills

Programming Languages	Javascript, Typescript, Python, Java, HTML5, CSS, SQL
Frameworks	NodeJS, React, Redux, Express, Flask, Spring Boot, Jest, Cypress
Others	Git, Webpack, ESLint

Software Projects

TUI Font Size Picker (<https://github.com/C-likethis123/tui-font-size-picker>)

- Published a npm package that adds a font size picker in an open-source text editor, receiving 103 downloads within its first week of publication

Sync-Along (<https://github.com/SE-PandP/cs3219-project-ay2122-2122-s1-g6>)

- Integrated Redux Toolkit in the app, bringing in benefits such as adhering to Redux best practices and query caching
- Refactored the backend to use Typescript, and adopt a layered architecture

Type Inferencer for Source 1 (<https://github.com/C-likethis123/js-slang>)

- Collaborated in a team of 3 to write a type inferencer for Source (a dialect of Javascript) programs in Typescript, that can infer types of constants, functions and conditionals

To Do List App (<https://github.com/C-likethis123/cvwo-assignment-2019/>)

- Developed a full stack todo list web app where users can add recurring and one-off tasks

Blogger Alternative (in progress) (<https://github.com/C-likethis123/Blogger-Alternative/>)

- Developed a blog web app with Markdown support, where users can write blog posts for Google Blogger

Programs

Jane Street INSIGHT Bootcamp

- Attended the Jane Street INSIGHT Bootcamp, achieving 4th place out of 14 participants in the electronic trading competition held at the end of the bootcamp