Jia Ying **Chow**

Singapore | Eligible for H-1B1 visa

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Experience

Indeed Singapore, Software Developer
Jul 2022 - Mar 2023

- Conceptualised and developed Indeed Anon as part of the 3 months Indeed University Program, a chat app designed to connect jobseekers anonymously for candid discussions about their desired job roles
- Developed full stack feature for reporting chats using React and Java Spring Boot, a legal requirement to ensure Indeed Anon launches in time
- Contributed to product improvements by implementing A/B tests and logging product metrics in Indeed Anon, resulting in a 100% increase in user matches
- Developed a solution to collect jobseeker information across 24 countries in Indeed's Resume Editor using React, GraphQL and Java Spring Boot. 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 webapp that non-technical teams use to effectively manage marketing campaigns that are advertised through the Shopee mobile and web app using React and Typescript
- Collaborated with backend teams to iterate and agree on a set of 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 for government agencies to effectively search for documents
- 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

Switcheo Labs, Frontend Developer Intern
Jul 2020 - Dec 2020

- Worked on the trading interface of the first release 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 and resolve inconsistencies with frontend component code
- Configured TSLint linters on frontend code bases, reducing >100 linting errors and saving developers' time on manually formatting code
- Implemented search for blockchain transactions, cryptocurrencies and validators in TradeScan, the blockchain explorer for an internally developed blockchain

Skills

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

Projects & Programs

Jane Street INSIGHT Bootcamp

- Ranked 4th out of 14 participants in the electronic trading competition held at the end of the bootcamp

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

- Collaborated in a 3-person team to write a type inferencer based on the Hindley-Milner algorithm in Typescript, that can infer types of constants, functions and conditionals

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)

- In a team of 4, built a web app where users can join chatrooms and add songs to a synchronised playlist in real time
- 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

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

- Developed a blogging web app with Markdown support in React and NodeJS, where users can write blog posts for Google Blogger

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