Mark Toh Thean Ker

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LinkedIn: linkedin.com/in/mark-toh/   **GitHub:** github.com/marktoh   **Website:** marktoh.github.io/info/

EDUCATION

B.S. in Computer Science, *University of Wisconsin-Madison*   December 2018

TECHNICAL SKILLS

- **Libraries/Frameworks:**   React, Redux, Redux-Saga, Jest, Cypress, Plotly.js, Leaflet, Node.js, Express
- **Programming languages:** HTML5, CSS3, JavaScript, Python, Go

WORK EXPERIENCE

DataChat | Software Engineer | Madison, WI | https://datachat.ai/   May 2018 – Present
A web-based chat application that serves data analytics with rich data visualizations and machine learning.

Customer Service & Business
- Respected customers' time by providing swift, concise, and polite on-call email support.
- Communicated effectively by illustrating product features and technical designs to technical and non-technical audiences in business meetings.
- Empathized with customers by interacting with them directly to understand their pain points, identify the root problem, and provide solutions to best fit both parties' needs.
- Clarified business requirements by asking focused and open-minded questions.

UI/UX
- Designed a user-friendly web-based chat application in **React**.

Full Stack
- Developed an interactive dashboard for time-based data overviews with support for dragging, resizing, and editing charts using **React**, **Go**, and **PostgreSQL**.
- Developed a user-friendly menu for uploading and deleting files using **React** and **RESTful API**s in **Go**.
- Improved usability of data collection pipeline by automating periodic data extraction from third-party sources such as **Google Analytics API**, **Squarespace API**, and **Active Campaign API** using **Python**.

Front End
- Modularized **React** UI Components by adopting the Container and Presentational Component Pattern.
- Modularized global states and side effects by implementing **Redux** and **Redux-Sagas**.
- Organized **SCSS** using the **Block Element Modifier (BEM)** methodology for ease-of-access and modularity.
- Tested web application using **Jest** and **Cypress** by employing practices such as **Unit Testing**, **Regression Testing**,
- and **Behavior Driven Development (BDD)**.

Management
- Lead a team of interns in designing, developing, and testing a web application using **React**, **Cypress**, and **GitHub**.
- Organized and distributed tasks according to issue priority and each person's skill set using **GitHub**.
- Maintained a clean, modern, and standardized codebase by giving detailed code reviews on **GitHub**.

PROJECT EXPERIENCE

Open Formula 1 | Web Developer | https://marktoh.github.io/open-f1/   March 2020
A web application for tracking circuits across Formula 1 seasons.
- Visualized locations of 1400 circuits since 1950 using a **Formula One API** with **Leaflet** and **React**.
- Exhibited extreme attention to detail in designing the layout and visual hierarchy.

Daily | Front End Developer | https://daily-100.herokuapp.com/   May 2020
A web application for monitoring daily information such as news and human population numbers.
- Delivered top headlines from ABC, BBC, and Vice news using **News API** with **React**.

marktoh.me | Web Designer | https://marktoh.github.io/info/   August 2017
A mobile-first, responsive personal website
- Showcased personal information by building a responsive website from scratch using **HTML, CSS,** and **Bootstrap.**

Languages: English (fluent) | Malay, Mandarin, Hokkien (conversational)