

Mark Toh Thean Ker

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GitHub: github.com/marktoh

Website: marktoh.github.io/info/

EDUCATION

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

December 2018

GPA: 3.2/4.0

TECHNICAL SKILLS

- **Proficient:** React | Redux | Redux-Saga | JavaScript | CSS | SCSS | HTML | Cypress | GitHub
- **Exposure:** Golang | Python | SQL | Node.js | Webpack | React Native | D3.js | Plotly.js | RabbitMQ | Docker
- **Coursework:** Databases | Networks | Algorithms | Operating Systems | Artificial Intelligence | Cryptography
- **Software:** Unix | Linux | Visual Studio Code | PyCharm | Adobe XD

WORK EXPERIENCE

DataChat | Lead Full Stack Engineer | Madison, WI | <https://datachat.ai/>

Feb 2019 – Present

A web-based chat application that serves data analytics with rich data visualizations and machine learning.

Full Stack

- Developed an interactive dashboard for high-level executives to have a temporal view of their organization's data using **React**, **Golang**, and **PostgreSQL**.
- Developed a user-friendly menu for uploading and deleting files using **React** and **RESTful APIs** in **Golang**.
- Consolidated isolated data banks into a central data bank by extracting data periodically from third-party sources such as **Google Analytics API**, **Squarespace API**, and **Active Campaign API** using **Python**.

UI/UX

- Drafted design prototypes using **Adobe XD**.

Front End

- Designed a chat application that supports messaging and chart visualizations in **React**, **Redux**, and **Redux-Sagas**.
- Designed an interactive table that supports functions such as download to CSV and column sorting in **React**.
- Maintained robustness of application by testing with **Jest** and **Cypress** based on **Unit Testing**, **Regression Testing**, and **Behavior Driven Development (BDD)**.

Management

- Led a team of interns in designing, developing and testing a web application using **React**, **Cypress**, and **GitHub**.
- Ensured timely delivery of features by prioritizing, organizing, and distributing tasks on **GitHub**.
- Monitored progress by breaking down issues into milestones with appropriate deadlines on **GitHub**.
- Standardized broad codebase by adopting best coding practices and providing detailed code reviews on **GitHub**.

Business

- Initialize projects by scoping business requirements with customers.
- Enlightened technical and non-technical audiences by adjusting language used for illustrating product features.
- Refined product by gathering feedback from customers and devising solutions to fit their needs.

INNOVATION, COMPETITION, AND LEADERSHIP

gALPHA Startup Incubator | Product Manager

June 2018

Mobile app that provides information regarding murals by local artists in Black Cat Alley using Augmented Reality.

- Clarified company vision, outlined minimum viable product, and prioritized tasks to ensure a coherent workflow.
- Encouraged candor, positivity, and resilience for a positive and solution-centric work environment.

marktoh.me | Web Designer | <https://marktoh.github.io/info/>

August 2017

A mobile-first, responsive personal website

- Created a mobile-first, responsive personal website using **HTML**, **CSS**, and **jQuery** based on Bootstrap.

Languages: English | Malay | Mandarin | Hokkien