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
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 | 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
- Empowered high-level executives in making big decisions by developing an interactive dashboard that provides an overview of the organization's data using **React**, **Golang**, and **PostgreSQL**.
- Introduced easy data persistence by developing a menu for uploading and deleting files using **React** and **RESTful API**s in **Golang**.
- Enabled comprehensive data analytics by consolidating data from third-party sources such as **Google Analytics API**, **Squarespace API**, and **Active Campaign API** into a central data bank using **Python**.

UI/UX
- Accelerated design concepts by drafting prototypes on **Adobe XD**.

Front End
- Enabled live data analytics by developing a chat application that supports messaging and chart visualizations in **React**, **Redux**, and **Redux-Sagas**.
- Boosted user experience by designing an interactive table that supports downloading and sorting in **React.**
- Retained high website availability by testing chat application 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 code quality by adopting best coding practices and providing detailed code reviews on **GitHub**.

Business
- Establish projects by scoping business requirements with customers.
- Educated 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