

# MICHAEL ONG MING HAO

## DESIGNER BY HEART, DEVELOPER BY CHOICE

@ minghao\_3728@hotmail.com T +65 8183 7009 W [datayse.com](http://datayse.com)

### EDUCATION

#### SINGAPORE MANAGEMENT UNIVERSITY

*Bsc (Science) Information Systems*  
*2<sup>nd</sup> Major in Advanced Analytics*

Graduated in August 2018  
Teaching Assistant for IS Application  
Project, Data Warehousing and  
Business Analytics

### SKILLS

#### PROGRAMMING

Java  
Python  
SQL  
JavaScript  
HTML/CSS  
React  
jQuery

#### DESIGN/PROTOTYPING

Adobe XD  
Axure RP  
Adobe Photoshop  
Adobe Illustrator  
Adobe Indesign

#### DATA VISUALISATION

Tableau  
Tibco Spotfire  
D3.js

### MEMBERSHIP

#### INTERACTION DESIGN FOUNDATION, SG

*Member*

Courses taken: Information  
Visualisation, Mobile UX Design,  
Adoption and Appropriation, UX  
Management.

### WORK EXPERIENCE

#### J.P MORGAN CHASE & CO.

Aug 18 – Present

*Software Engineer Developer (Software Engineering Program 2018)*

- Maintained and Supported JPMC's Passive Currency overlay application, handling more than \$50 Billion USD annually, using Java, Oracle SQL, Spring and React.
- Collaborated with other developers to redesign and build an automation testing application using React and Java with clean interfaces and simple intuitive interactions.
- Modernized a legacy system originally using Spring 3 and Java Swing, upgrading to Spring Boot and React JS.

#### GENERAL ELECTRIC (HEALTHCARE)

Mar 17 - Nov 17

*Business Intelligence Analyst (Intern)*

- Gathered requirements to conduct business intelligence in General Electric. Communicated with various departments in different regions. Produced 6 dashboards which outlined important metrics, and visualisations to make better decisions.
- Redesigned various dashboards, improving usability and adoption, leading to an increase to 290 unique users and 4,600 visits in Aug 17.
- Awardee of GE's Above and Beyond award for "learn and adapt to win" for his ability to adapt to challenges and excellent work performance.

#### ONLIVE.IO

May 16 – Aug 16

*Full Stack Developer (Intern)*

- Designed and Developed 4 analytics dashboards and data visualisations. Provided simple yet meaningful live visualisation to illustrate important key events during an event. Used jQuery, HTML/CSS and PHP.
- Incorporated registration systems for 10 events that uses RFID and APIs from Facebook, Spotify & IBM Watson.
- Liaised with a wide range of clients from various industries such as IBM, MasterCard and George P. Johnson; understanding their requirements, formulating proposals & solutions accordingly.

### SIDE PROJECTS / PASSION PROJECTS

**Supermarket Shopping Cart Misuse Monitoring Dashboard** | Developed the entire IoT solution to track trolleys in a shopping mall with a monitoring dashboard that would notify users if a shopping cart is going to be misused. Using technologies such as Java, SQL, HTML/CSS, JavaScript and D3.js.

**Winner of SMU SIS Website Redesign Hackathon** | Given the timeframe of 2 days, I designed a wireframe and built a website from scratch using HTML/CSS and JavaScript (jQuery). You can view the final product using this link - [bit.ly/3hnMWB3](http://bit.ly/3hnMWB3)