

Yen-Jung Chen

English Name: Michelle
Email: michelle800902@gmail.com

Phone: +886-975-143-927
Portfolio: michelle800902.github.io

EDUCATION

National Chengchi University

Sep 2014 – Aug 2018 | Taiwan

M.S of Computer Science

- Relevant Coursework: Data Mining, Multimedia Information System, Information Retrieval, Pattern Recognition
- Master Thesis: “Automatic Clothing Recommendation by Learning Clothing Compatibility from Fashion Data”

Tatung University

Sep 2009 – Jun 2013 | Taiwan

B.S of Computer Science and Engineering

- Relevant Coursework: Interactive System Design, Human-Computer Interaction, iOS App Programming, UI/UX

SKILLS

- | | |
|--------------------------------|--|
| • Programming Languages | JavaScript, TypeScript, Python, C, C#, Java, PHP |
| • Frontend | React, Redux, HTML, CSS, Sass, CSS-in-JS, RWD, Webpack |
| • Backend | Node.js, Express.js, Django, SQL, PostgreSQL |
| • JavaScript Libraries | jQuery, Bootstrap, D3, Leaflet, OpenLayers, MapBox, Highcharts |
| • Version Control | Git, GitLab, SourceTree, Bitbucket |

WORK EXPERIENCE

Frontend Engineer | Groundhog Technologies

Dec 2018 – Sep 2021 | Taiwan

Responsible for web frontend engineering in a mobile big data analytics provider for the world's leading mobile operators, with a primary focus on transforming raw network data into monetizable assets.

- Developed the frontend of the new generation flagship product *CovMoTM* with TypeScript, React Hooks, Redux, Styled-Components, executed unit testing with Jest, and deployed with Jenkins.
- Spearheaded the feature development of 2 SaaS applications independently and maintained others. Ensured high-quality code design, code reviews, and detailed technical documentation to accelerate work efficiency by 1.5 times.
- Optimized code readability and maintainability by 50% to achieve modular and reusable components through code refactoring and organizing standardized coding styles.
- Accomplished the implementation of dynamic charts with Highcharts in the reporting platform and call trace system to efficiently analyze nationwide mobile subscriber data from different dimensions.
- Constructed multiple map layers and interaction functions of geo-analysis. Enhanced performance and reduced 20% of redundant code by converting map library from OpenLayers to MapBox.
- Utilized WebSocket to update real-time data from the backend. Designed data structures and data flow to handle received responses from RESTful APIs easily and resolved rendering issues validly.

Data Engineer | Cathay Financial Holdings

Apr 2018 – Sep 2018 | Taiwan

Responsible for data visualization development in the Data Science Lab of an internationally recognized financial company that provides diversified customer-oriented digital financial services.

- Collaborated with data scientists and engineers to invent various information visualization tools for internal users.
- Oversaw the application of D3.js to identify business insights and customer online intentions through binding data and visual graphics of clustering models and text mining results.
- Maximized credit card recommendation with machine learning and data visualization methods in large-scale client data, and initiated the implementation of the platform's user interface with JavaScript, HTML, CSS.
- Created a web-based dashboard to integrate and overview the ETL process, improving the status of job scheduling in data engineering. Attained the RWD page with JavaScript and Bootstrap.

Web Developer Intern | Delta Electronics

Jul 2016 – Jun 2017 | Taiwan

One year Internship in the Life Science Application Research Team of an electronics manufacturing company that provides power and thermal management solutions on a global scale.

- Co-developed an information retrieval system for searching millions of health insurance data on the interactive map based on JavaScript library Leaflet and utilized jQuery, AJAX, PHP, SQL to connect the frontend and database.
- Designed the customized user interface and consolidated the implementation of animation features using D3.js to visualize query results and disease trend timelines instantly and intuitively.
- Built an innovative data visualization platform to discover association rules between diseases and treatments from the massive medical dataset, and boosted user experience.