

{ '廖柏舜': 'Benson Liao' }

Front-End Engineer

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github.com/BensonLiao



Summary

Skype: [invite me](#) (or reach me by email)

- Offering 8 years (2 years for React) of experience providing well-organized / tuned web applications.
- Hands-on building applications from the ground up.
- Good understanding of communication between backend and frontend with RESTful API.
- Always learning how to write: ({ clean, maintainable, flexible }) code.
- Intermediate domain knowledge of Data Visualization, Natural Language Processing, and Machine Learning.
- Love to share knowledge, like <https://github.com/BensonLiao/blog>

Work experience

Unemployed Period

May 2021 -

- (Pending) Making contribution to [a famous open source software](#) Now
- (Pending) Working on part-time freelance jobs, a platform that gathers trends of digital current, done refactoring the whole codebase and get paid (**React, Redux-Toolkit, Axios, Typescript, ESLint, Prettier**)

Senior Front-end Developer

Nov 2019 -

AndroVideo - Department of Software Development

Apr 2021

- Maintain / Implement new feature of the AIOT smart surveillance camera's web UI (**React, Formik, Bootstrap, Sass/SCSS, JQuery, Axios, i18next, Node, Express, GOT, Webpack, Grunt, Jest, Cypress**)
- <https://github.com/BensonLiao/avc-camera-webui-fe>
- Notable Works:
 - Introduce and Implement mock DB with **LocalStorage** to help decrease early phase development time by nearly **2~30%**
 - Create a layout like **Google Keep** based on CSS's **Flex** layout under browser support limitation
 - Apply some advanced tuning to reduce waste rendering by nearly **30% (React.memo, useMemo, useCallback, etc...)**
 - Create/maintain several components, or implement new features based on third-party libraries to fit design/business spec ([react-content-editable](#), [fabric](#), and [cropperjs](#)...)
 - Apply **i18next** to reduce co-working time by nearly **40%** between translation and development
 - Apply various linter to keep the team's coding style (**ESLint, Stylelint, Commitlint**)

Skills

Languages:



HTML



CSS



Javascript

Framework/Library:



React



Redux, Sass/SCSS, Styled-Components, Bootstrap, D3.js, JQuery, Axios



Redux-Saga, Storybook, i18next, Material-UI, Node.js, Express.js

DevTools/Paas:



Git, Gitlab, VSCode, ESLint



Webpack, Github, Gitlab CI, Postman, Chrome developer tool, Stylelint



Commitlint, Github Pages

Operating Systems:



Mac, Linux, Windows

Unemployed Period

Aug 2018 -
Nov 2019

Most of the projects were made after my job at NTNU, which is based on my own needs, ideas, or practices.

- [Mazu-Did-Not-Say-That-Shit](#): Mocking page of a single Facebook post (**React, Redux, Redux-Saga, Styled-Components**)
- [Mazu-Did-Not-Say-That-Shit-Sorybook](#): Storybook for Mocking page of a single Facebook, see how components work as a standalone UI.
- [liff-react-boilerplate](#) : Boilerplate for LINE's frontend framework called "LIFF" (**React, Bootstrap**)
- [my-line-simple-bot](#) : LINE bot server utilized with [liff-react-boilerplate](#) and [imgur-api-go-v3](#), LINE user can chat with a bot, upload image to [imgur.com](#) or search subreddit/account on [imgur.com](#). (**Golang, Gin**)

Full-stack Developer Jan 2016 -
NTNU - The Office of Institutional Aug 2018
Research

Develop web applications and do some data mining/visualization.

- Build a web application for an annual reporting system. Used by most of the faculties at university.
 - <http://yreport.iro.ntnu.edu.tw/> (**React, Material-UI, Laravel**)
- Build a web application to reveal these data visualizations.
 - <http://factbook.iro.ntnu.edu.tw/> (**React, Material-UI, Laravel, Tableau**)
 - <http://www.iro.ntnu.edu.tw/web/?Yreport> (**D3.js, JQuery, PHP**)

Full-stack Developer / Research Sep 2011 -
Assistant Mar 2016

NTNU - Information Technology Center

As both research assistant and software engineer, who was dedicated to building web applications or desktop software for research purposes and the needs of faculty at university.

- Build web applications utilized with NLP technologies

e.g. [Knowledge Search Portal](#) (**ASP.NET, IIS, Webgine, Vis.js**)

- Build web applications to help other faculty at the university

e.g. [TOCFL\(Test of Chinese as a Foreign Language\) Lerner Corpus Information Retrieval System](#) (**JQuery, Servlet, SQLite**)

- Build web applications for a short-term project as industry-academia cooperation/collaboration

Education

Information Management Sep 2008 -
National Yunlin Technology University Jun 2010

Information Management Sep 2003 -
TamKang University Jun 2008