

# { '廖柏舜': 'Benson Liao' }

## Front-End Engineer

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[bensonliao.github.io/](https://bensonliao.github.io/) [github.com/BensonLiao](https://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 -

- (Ongoing) Making contribution to [a famous open source software](#) Now
- (Ongoing) Working on [part-time freelance jobs](#)

#### 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**)

#### Unemployed Period

Aug 2018 -

Most of the projects were made after my job at NTNU, which is based on my own needs, ideas, or practices. Nov 2019

### 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

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Commitlint, Github Pages

#### Operating Systems:

████████████████████

Mac, Linux, Windows

- [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-Storybook](#): 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