

# { '廖柏舜': 'Benson Liao' }

## Front-End Engineer

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[github.com/BensonLiao](https://github.com/BensonLiao)



### Summary

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

- Offering 7 years of experience providing well-organized / tuned web applications.
- Hands on building applications from the ground up.
- Good understanding on 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

Senior Front-end Developer Nov 2019 -

AndroVideo - Department of Software Apr 2021

#### Development

- Maintain / Implement new feature of the camera's web UI (**React, Formik, Bootstrap, Sass, 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 early phase development
  - 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 and maintain couple of components to fit design/business spec ([react-content-editable](#), datetime-picker, stage-progress)
  - Implement new features based on third-party library
    - mask area editor ([react-draggable](#) and [element-resize-detector](#))
    - face photo editor ([cropperjs](#) and [react-cropper](#))
    - trigger line and area editor ([fabric](#) and [react-design-editor](#))
  - Apply **i18next** to reduce co-working time by nearly 40% between translation and development
  - Apply various linter to keep team's coding style (**Eslint, Stylelint, Commitlint**)

#### Unemployed Period

Aug 2018 -

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

Nov 2019

- [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

### Skills

Languages:



HTML



CSS



Javascript

Framework/Library:



React



Redux, Sass, 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

single Facebook, see how components works 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 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 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 dedicate to build web applications or desktop softwares for research purpose and the needs of faculty at university.

- Build web applications utilized with NLP technologies

[Knowledge QA System](#) (**ASP, IIS, Webgine**)

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

- Build web applications to help other faculty at university

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

- Build web applications for 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