

{'廖柏舜': 'Benson Liao'}

Front-End Engineer

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Summary

Skype: [invite me](#) (or find 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.

Work experience

Senior Front-end Developer

Nov 2019 -

AndroVideo - Department of Software Development

Now

- Maintain / Implement new feature of the camera's web UI (tech stack: **react**, **formik**, **bootstrap**, **sass**, **jquery**, **axios**, **i18next**, **node**, **express**, **got**, **webpack**, **grunt**, **jest**, **cypress**)
- Notable Works:
 - Create a layout like google keep based on css's **flex** layout under browser support limitation
 - Create custom stage progress ui for multiple processing steps like: init, start, done, restart
 - Create checkable table, with check style, popover action on check, and use **React ref.current** to manage/remember state even on table re-render
 - Create and maintain couple of components for the applications (some were open sourced)
 - [react-content-editable](#)
 - [capybara-router](#)
 - [datetime-picker](#)
 - 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](#))
 - Refactor some components from class to functional to simplify performance tuning
 - Apply **i18next** to speed up co-working time 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 first job at NTNU, which is based on my own needs, idea or practice.

Nov 2019

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

Applications:



- [Mazu-Did-Not-Say-That-Shit](#): Mocking page of a single Facebook post, implemented with **React, Redux, Redux-Saga, Styled-Components**. (There's also several branches written with Typescript, share state between components with Hooks, handle async event with Web Workers)
- [Mazu-Did-Not-Say-That-Shit-Storybook](#): Storybook for Mocking page of a single Facebook, see how components works as a standalone UI. And it's very good for communication with colleagues, supervisors, even clients during development.
- [liff-react-boilerplate](#) : Boilerplate for LINE's frontend framework call "LIFF", implemented with **React, Bootstrap**.
- [imgur-api-go-v3](#) : API helper for imgur.com, written with **Golang**.
- [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, written with **Golang, Gin**.
- [redux-todos-with-delete](#) : Practice example which add delete function with simple array filter and implement localStorage to keep state while page refresh.
- [redux-reddit-api](#) : Practice example which call reddit api and retrieve result using redux-saga to do async action.
- <https://codesandbox.io/u/BensonLiao>: A practice example on cloud platform.
- <https://codepen.io/s/>: Another practice example on cloud platform.

Full-stack Developer Jan 2016 -

NTNU - The Office of Institutional Research Aug 2018

Help to develop web application for official website and stats visualization for Institutional Research, which utilize with Tableau Software.

- Identified and investigate potential problem through big data with Tableau, make data visualization for evidence.
- Build a web application for annual report, allow end-user to input and check data as an editable table. Used by most of the faculties at university. website (tech stack: **React, Material-UI, Laravel**):
<http://yreport.iro.ntnu.edu.tw/>
- Build a web application to utilize these data visualization for senior executive like principle. Currently has 2 version of web application for data visualization, one with Tableau and the other with D3.js.
 - <http://factbook.iro.ntnu.edu.tw/> (tech stack: **React, Material-UI, Laravel, Tableau**)
 - <http://www.iro.ntnu.edu.tw/web/?Yreport> (tech stack: **D3.js, JQuery, PHP**)
- Build an official web site for the office. website:
<http://www.iro.ntnu.edu.tw/web/?Home>

Full-stack Developer / Research Asistant Sep 2011 -

NTNU - Information Technology Center Mar 2016

As a research assistant combined with software engineer, who was dedicate to build web applications or software programs for research purpose and for the needs of faculty at university. My professor's subject was NLP (Natural Language Processing), so there's a lot of web applications are built for NLP like Knowledge QA System which implemented by NLP technology call "CORE (Chinese Open Relation Extraction)" with Webgine (Document indexing system).

- Build web applications utilized with NLP technologies. e.g.,

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

Knowledge Search Portal (tech stack: **ASP.NET, IIS, Webgine, vis.js**)

- Build web applications to help other faculty at university. e.g.,

TOCFL(Test of Chinese as a Foreign Language) Lerner Corpus Information Retrieval System (tech stack: **JQuery, Servlet, SQLite**)

- Build web applications for short-term project as industry-academia cooperation/collaboration. For example, Public opinion analysis system with CHTTL (tech stack: **Python, CNLTK, CKIP**) and LPG supplier report system with LPGPO of TRI (tech stack: **Extjs, MariaDB**)

Education

Information Management	Sep 2008 -
National Yunlin Technology University	Jun 2010

Information Management	Sep 2003 -
TamKang University	Jun 2008

Blog

- <https://github.com/BensonLiao/blog> (currently active)
- <https://github.com/BensonLiao/blog/issues> (more like a real blog, readers can leave a comment or reaction)
- <https://medium.com/@bensonLiao> (stale)
- <http://bensonliao-blog.logdown.com/> (deprecated)