

{'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.
- Intermediate domain knowledge of data visualization, NLP (Natural Language Processing) and machine learning.
- Keep finding best practice for the solution if possible.
- Always learning how to write clean, [maintainable, [flexible]] code.

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: Node, Express, Got, React, Styled-components, Bootstrap, JQuery, Formik, Axios, i18next)
- Create / Maintain a couple of open source libraries that used in the camera's web UI
 - [react-content-editable](#)
 - [capybara-router](#)

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. website 1 (tech stack: React + Material-UI + Laravel + Tableau): <http://factbook.iro.ntnu.edu.tw/> website 2 (tech stack: D3.js + JQuery + PHP): <http://www.iro.ntnu.edu.tw/web/?Yreport>
- Build an official web site for the office. website: <http://www.iro.ntnu.edu.tw/web/?Home>

Full-stack Developer Jan 2011 -
NTNU - Information Technology Center Mar 2016

As a research assistant combined with software engineer, who was dedicate to

Skills

Preface

████████████████████
The skill list are roughly ordered from left-to-right to describe how familiar to it, the more left it ordered the more familiar. And some of it are guided first and self-taught afterwards, skill/category marked with * indicates fully self-taught without teacher or mentor.

Languages

████████████████████
HTML, Javascript, CSS, SASS, PHP, Java, SQL, Golang(*)

Framework/Library(*)

████████████████████
React, Redux, Redux-Saga, Node.js, Express.js, i18next, Axios, Styled-Components, Storybook, Bootstrap, Material-UI, Typescript, JQuery, D3.js

DevTools/Paas(*)

████████████████████
Git, Github, Github Pages, Gitlab, VSCode, ESLint, Stylelint, Commitlint, Chrome developer tool, Webpack, Postman, Heroku, Travis CI

Systems

████████████████████
Mac, Linux, Windows

Databases

████████████████████
MySQL/MariaDB, MS Access, SQLite(*)

Applications

████████████████████

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	2008 -
National Yunlin Technology University	2010

Information Management	2003 -
TamKang University	2008

Side Project

Most of projects made after my last job, which is based on my own needs, idea or practice.

- [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 GO.
- [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 GO + 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.

Blog

- <https://github.com/BensonLiao/blog> (currently active)

MS Office Suite: Word, Excel, PowerPoint, Tableau

- <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)