{'廖柏舜': 'Benson Liao'}

Front-End Engineer

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bensonliao.github.io/   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

Unemployed Period
May 2021 - Now

- (Ongoing) Make some OSS contributions
- (Ongoing) Working on part-time freelance jobs

Senior Front-end Developer
AndroVideo - Department of Software Development
Nov 2019 - Apr 2021

- 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 - Nov 2019

Skills

Languages:

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HTML

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CSS

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Javascript

Framework/Library:

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React

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

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

DevTools/Paas:

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Git, Gitlab, VSCode, Eslint

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

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Commitlint, Github Pages

Operating Systems:

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Mac, Linux, Windows

Most of projects 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 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
NTNU - The Office of Institutional Research

Jan 2016 - Aug 2018

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 Assistant
NTNU - Information Technology Center

Sep 2011 - Mar 2016

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
National Yunlin Technology University

Sep 2008 - Jun 2010

Information Management
TamKang University

Sep 2003 - Jun 2008