廖柏舜

Front-End Engineer

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Summary

- Offering 5 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

The Office of Institutional Research NTNU
Jan 2016 - 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

Information Technology Center NTNU
Jan 2011 - 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)

Skills

Preface

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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

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HTML, Javascript, CSS, Node.js(*), PHP, Java, SQL, Golang(*)

Framework/Library(*)

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React, Redux, Redux-Saga, Styled-Components, Storybook, Typescript, Bootstrap, Material-UI, JQuery, D3.js, vis.js, Laravel

DevTools/Paas(*)

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Git, Github, Github Pages, VSCode, Chrome developer tool, Postman, Heroku, Travis CI

Systems

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Mac, Linux, Windows

Databases

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MySQL/MariaDB, MS Access, SQLite(*)

Applications

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- Build web applications for short-term project as industry-academia cooperation/collaboration.

MS Office Suite: Word, Excel, PowerPoint, Tableau

Education

Information Management National Yunlin Technology University	2008 - 2010
Information Management TamKang University	2003 - 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, Styled-Components. (There's also a branch written with Typescript)
- Mazu-Did-Not-Say-That-Shit-Sorybook: 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.
- 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)
- https://github.com/BensonLiao/blog/issues (more like a real blog, readers can comment or give reaction)
- https://medium.com/@bensonLiao (stale)
- http://bensonliao-blog.logdown.com/(deprecated)