

Yu Chun Lin

Front End Developer

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EDUCATION

- M.S. Transportation Program, Department of Civil Engineering, National Taiwan University (NTU)
2017/09-2019/07
- B.S. Department of Transportation and Communication Management Science, National Cheng Kung University (NCKU)
2012/09-2017/06

SKILLS

<i>Front End</i>	<i>Back End</i>	<i>Tools</i>	<i>Others</i>
JavaScript ES6+, HTML5, CSS, React, Redux, UI Framework	Node.js, Express, RESTful API, SQL, AWS EC2	git, webpack, npm, Babel	python, XSS, CORS, CSRF

PROJECTS

You can see these projects in <http://yuchun33.github.io>

NutritionLog App

- Use React, Redux, Redux-Promise, Material UI library, d3 library
- Obtained FDA nutrition database by using python web crawler
- Created RESTful API by Express
- Operated MySQL by Sequelize
- Implement cookie in application
- Deploy application on AWS EC2
- User can query, create nutrition of ingredient and record daily nutrition

Taiwan Weather

- Vanilla JS, HTML, CSS
- Use API provided by Open Weather Data

Bullet Journal App

- Use React, Redux, Express, Sequelize
- User can create, delete, update missions in database

RESEARCH

VRP-based Model for Lane Marking Assessment with MRU Vehicle (Master thesis)

- Optimized routing of MRU vehicles by column generation algorithm.
- Used python to implement algorithm.

Impact of Differential Rate on Parking Demand: A Case Study of Business District in Kaohsiung Arena.

College Student Research Project Scholarship, Ministry of Science and Technology, 2016

- Awarded College Student Research Creativity Award.
- Collected 380 questionnaires and used LOGIT model to analyze drivers' characteristic. The result presented progressive rate can improve turnover rate of roadside parking.

Green Energy Industry's sustainable Development: A Study of Corporate Social Responsibility.

Undergraduate Student Project on Energy Technology and Strategy, NCKU Research Center for Energy Technology and Strategy, 2016.

- Analyzed relation between corporate social responsibility and financial performance by using data from TEJ.

EXPREIENCE

Research Assistant

Department of Civil Engineering, NTU

2019/09-2020/01

Institute of International Management, NCKU

2015/07-2016/04

Intern

Research Department of Intelligent Vehicles and System, Industrial Trends and Policy Research Center, Industrial Technology Research Institute

2017/07-2017/08

Transportation Control Center of South Region Engineering Office, Freeway Bureau, Ministry of Transportation and Communications

2016/07-2016/08

ACTIVITIES

Secretary, Student Association of Transportation and Communication Management Science Department (TCM)

2015/04-2016/04

- Assisted president and vice president in activities and strategies of department.
- Coordinated institution visitation, contacted with enterprises and government institutions and planned schedule.

Vice Coordinator, Orientation Camp of TCM

2015/02-2015/09

- Coordinated orientation camp with coordinator and supported 20 team leaders and 48 members.
- Encouraged Communication and coordination of members in the team.

Team Lead of Academic Department, 18th Enrollment Camp of TCM

2015/10-2016/02

- Designed the subject and courses of academic team in enrollment camp.