

# Meng-Ru Wu

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## EXPERIENCE

### Research Assistant

Academia Sinica

 April 2019 – Present

 Taipei, Taiwan

- Adviser: Dr. Lun-Wei Ku
- Apply image- and phrase-guid attention mechanism on article recommendation system with phrase-awareness.
- Apply curriculum-like learning on graph-based recommendation, mitigate over-smoothing issue, help converge quickly.
- Conduct reinforcement learning on graph exploration and path extraction to apply on graph-based recommendation system.

### React Native App Engineer

Chuang Shun Technology Inc.

 May 2018 – Sept 2018

 Taipei, Taiwan

- Maintain 10 pages and connect 30 APIs between client-side and server-side.
- Develop state management, saga, redux structure.

[Tech Stack]:

Javascript(ES6+), React Native, Redux, Axios, Saga, Webpack

### Vuejs Frontend Engineer

Chuang Shun Technology Inc.

 Nov 2017 – Sept 2018

 Taipei, Taiwan

Responsible for the front-end dashboard development of the main product - highly customized CRM(Customer Relationship Management) system.

- Maintain 60 pages and connect the APIs(about 120 APIs in total) between client-side and server-side.
- Reorganize and unify 120 APIs and clean up 10% of front-end code base.
- Refactor all forms and unify form validation, cleaning up 10% of front-end code base.
- Collaborate with back-end engineer for project decisions such as HTTP response used, Restful API design, data format design between client-side and sever-side.

[Tech Stack]:

Javascript(ES6+), Vue.js, Vuex, Vue-router, Axios, Sass, Yarn, Webpack(4)

## PUBLICATION

### Seeing is Believing: Leveraging Picture to Highlight Salient Text Focuses for News Article Recommendation (AAAI2020) (on submission)

- An image- and phrase-guided attention recommendation model.
- Mimic the reader's behavior and captures both eye-catching visuals and textual information for each article.

### GraphSW: a training protocol based on stage-wise training for GNN-based Recommender Model (AAAI2020) (on submission)

- [\[arxiv\]](#)[\[github\]](#)
- A training strategy based on a stage-wise framework, which accesses only a subset of the Knowledge graph entities in every stage.
- Help models with many parameters and high-order graph features to converge more quickly and mitigate over-smoothing problem.

## EDUCATION

### National Tsing-Hua University

Bachelor's Degree, Computer Science

 Sept 2013 - Feb 2017

- Overall GPA: 3.83/4.3
- Rank: 31/120

## SKILLS

Pytorch

Tensorflow

Keras

Vue.js

Vuex

React.js

React Native

Redux

HTML/CSS

LaTeX

Matlab

## LANGUAGES

JavaScript(ES5/6)

Python

C++

