Project Lead

Find Yourbike – a shared bike live tracking website 10/2020, 01/2021  
https://github.com/nba556677go/cloud\_computing2020/tree/main/final  
[MongoDB/Flask/Nginx/React/Docker]

• Accomplished full-stack web development, with a backend composed of MongoDB, 2 Flask API servers, and Nginx as reverse proxy and load-balancer. Frontend designed using React and Node.js.

• Integrated Google Maps JavaScript API in the frontend to display nearby station recommendations. Enabled live location detection and station navigation, features unsupported by the official rental website.

AI competition winner - 1 out of 81 teams

National Taiwan University

AICUP 2021 - Chinese Medical Dialogue Analysis Competition

<https://github.com/mhjuan/AICUP2021-Chinese-Dialogue-Comprehension>

03/2021 - 06/2021

[Pytorch/NLP]

Trained deep learning BERT models to complete reading comprehension tasks based on medical dialogues of over 2000+ words. Utilized BM25 to rank word cosine similarity under BERT’s input length constraints.

• Performed data augmentation by including additional Chinese dialogues, improving accuracy by 20%.

• Implemented the XLNet model to assess patient risk levels, achieving 92% accuracy.  
  
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