

Althrun Sun

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Education

- **MS in Data Science**, The University of British Columbia
- **BS in Math & CS**, South China Agricultural University

Work Experience

Software Engineer, Kaiao Tech

Build a job listing website using NLP technologies.

- Developed a full-stack application using PostgreSQL and Python Django REST framework to CRUD the job listings.
- Implemented an NLP model using NLTK and BERT, for auto job listing classification.
- Built a web UI with Vue that allows users to CRUD listings.

Frontend Engineer Intern, Hecai Tech

Worked on a house hunting mobile app using Vue and uni-app.

- Implemented dynamic rendering style and dynamic data visualization.
- Built APIs to retrieve data from MySQL databases.
- Added an instant messaging module using Tencent Cloud services.

Side Projects

Yelp Camp Clone (JavaScript)

A GIS posting website with user accounts

- Implemented REST APIs with NodeJS and Express, which retrieve data from MongoDB, Mapbox and Cloudinary.
- Built middleware for data validation, NoSQL injection prevention and session management.
- Deployed on AWS using ECS and Docker.

Facebook Clone (Java)

An over-simplified Facebook style website

- Built APIs with Spring Boot to CRUD against MySQL database.
- Implemented login with Facebook and session management using NextAuth.
- Created web UI using React/Redux, NextJS and Tailwind CSS.

Awards and Publications

- First Prize of Asia and Pacific Mathematical Contest in Modeling
- *A traffic flow detection system based on YOLOv5*

Skills

- Linux, Git, Docker, AWS ECS, MongoDB, MySQL
- Python, Django, scikit-learn, PyTorch
- JavaScript, NodeJS, Vue, React
- Java, Spring Boot