Yunfan. Li

STUDENT · SOFTWARE ENGINEERING - DATA SCIENCE

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"More haste, less speed."

Education

Fudan University   *Shanghai, China*

B.S. IN SOFTWARE ENGINEERING   *Sep. 2016 - May. 2021*

- TOEFL **112**; GRE **326+3.5**;
- GPA **3.25/4.0**
- 2018 whole year, **Teaching Assistant** for *Introduction to computer systems* (adaptation of CMU-CS213)
- Fall of 2018, **Exchange** at **the University of California , Santa Cruz (UCSC)**

Writing

Combined priority and path planning with a double-layer structure for multiple robots   *SJTU*

SECOND AUTHOR   *Dec. 2019 - Jan. 2020*

- We propose a double-layer approach that combine priority planning and path planning to obtain optimal priority and lower paths cost. A modified A* algorithm is introduced to obtain collision-free paths considering priority configuration.

Honors & Awards

DOMESTIC

2017.03	**Third Prize**, Clover Software Development Innovation Competition	*FDU*
2017.04	**Star of the Future Award & Third Prize**, * CTF Information Security Competition	*FDU*
2017.11	**Third Prize**, Fudan University Scholarship	*FDU*

Skills

Deep-Learning Framework	pytorch
Programming Languages	Python, R, JAVA, C++, PHP, LaTeX
Languages	Chinese, English

Experience

Omnious. Co., Ltd.   *Seoul, S.Korea*

SOFTWARE ARCHITECT   *Jun. 2017 - May. 2018*

- Provisioned an easily managable hybrid infrastructure(Amazon AWS + On-premise) utilizing IaC(Infrastructure as Code) tools like Ansible, Packer and Terraform.
- Built fully automated CI/CD pipelines on CircleCI for containerized applications using Docker, AWS ECR and Rancher.
- Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.
- Implemented several API microservices in Node.js Koa and in the serverless AWS Lambda functions.
- Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker containers and AWS resources.
- Deployed a centralized monitoring environment(Grafana, InfluxDB, CollectD) which gather system metrics as well as docker run-time metrics.

PLAT Corp.   *Seoul, S.Korea*

CO-FOUNDER & SOFTWARE ENGINEER   *Jan. 2016 - Jun. 2017*

- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

Undergraduate Research, Machine Learning Lab(Prof. Seungjin Choi)   *Pohang, S.Korea*

RESEARCHER   *Mar. 2016 - Exp. Jun. 2017*

- Researched classification algorithms(SVM, CNN) to improve accuracy of human exercise recognition with wearable device.
- Developed two TIZEN applications to collect sample data set and to recognize user exercise on SAMSUNG Gear S.