Yuan TingZhou

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Education

Computer Science
- Bachelor of Science, Dalian University of Technology, GPA: 3.4/4.0   **Sep 2018 — Jun 2022**
- Exchange Student, Technical University of Denmark   **Sep 2021 — Jan 2022**

Project Management
- Minor, Dalian University of Technology   **Sep 2018 — Jun 2022**

English Proficiency
- IELTS 7.5, GRE 333+5.0

Others
- Summer School, University College London   **Jul 2019 — Aug 2019**
- Introduction to Deep Learning & Deep Learning Practices, School of Innovation and Entrepreneurship, DUT   **Sep 2018 — Jan 2020**
- Coursera.org Algorithms; Sequence models, Structuring machine learning projects
- MIT Distributed Systems 6.824

Professional Experience

Keen Security Lab, Tencent   **Jan 2021 — Mar 2021**

Backend Developer Intern   Shanghai, China
- Implemented GraphQL backend resolvers for an online system audition service for embedded devices, also worked on database migration and SDK.
- Independent work on Python SDK for abstract usage of an online binary decompiler service's GraphQL endpoints; Wrote production ready documentations; Integrated object storage usage to backend file analyzers.

Lark, Bytedance   **June 2021 — Aug 2021**

Fullstack Developer, summer intern   Beijing, China
- Designed and Implemented a bot framework & applications for workflow automation, ticket tracking and sensitive resource authorization in a to-B SAAS delivery team.
- Operated CoreDNS to support system refactoring.
- Supported SRE work, aggregated data from k8s monitoring systems to reduce VM resource redundancies.

Projects

Core developer & Principal, *DUTBIT studio*   **Oct 2018 — Jun 2021**
- Operation Management System for university assosiations, established regular use within the department, made use of message queues and multi-layer caching to achieve optimal performance with limited resources
- Experience with Aliyun (Alibaba Cloud) services, set up devops pipeline with github actions
- Built key infrastructure services: object store, captcha, SSO, etc
- Acted as mentor for freshman

Core developer & Project Cordinator, *Personal/Course Projects*   **Sep 2020 — Jul 2021**
- **EmuEnglish**
  A website that utilizes OCR and built-in dictionaries to assist students in learning English
- **CMM Compiler**
  A simple All-in-one compiler and VM runtime that takes C-like syntax code and executes in the built-in VM. Works more like Python. Worked on PCode interpretor, VM and LL1 syntax analyzer
- **Seafood classifier**
  A WeChat miniprogram that helps users identify the type of seafood in a given photo. Worked on web crawlers for dataset collection, mini-program frontend and image-processing backend.
- **3D Display case**
  A display case that works by rapidly spinning a rod of LEDs, which leaves residual images in the human eyes. Deep collabration with EECS/CE group members, worked on real-time recording, relay and preview of camera footage from raspberry Π. Achieved 400% performance boost on slow RPIs by employing SIMD hardware acceleration, front-end OpenGL image rendering and zero-copy methods.

Technical Skills

Communication	Experience with Pure English/Bilingual Working Environment (Mandarin Chinese & English)
Programming	Python, Golang, JavaScript
Others	Experience with MySQL, Redis, Influxdb

Awards & Honors

2019	National English Competition for College Students (**1st Prize**); IET Present Around the World (**2nd Place**);
2020	DLUT AI Contest Cloud Shape Recognition (**2nd Prize**); Chinese Undergraduate Computer Design Contest (**2nd Prize**);