

Yuan TingZhou

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Education

Dalian University of Technology

Sep 2018 — Jun 2022

- *Bachelor of Science in Computer Science*, School of EE, Overall GPA: 3.4/4.0
- *Minor in Project Management*, School of Economics and Management
- *Electives in Deep Learning & Practices*, School of Innovation and Entrepreneurship

Technical University of Denmark

Aug 2021 — Dec 2021

- Exchange student, Computer Science

University College London

Jul 2019 — Aug 2019

- Summer School, Statistics

MOOC

Jan 2020 — Dec 2020

- Coursera.org, Algorithms, Sequence models
- MIT, Distributed Systems 6.824

Professional Experience

Keen Security Lab, Tencent

Jan 2021 — Mar 2021

Backend Developer Intern

Shanghai, China

- Implemented GraphQL backend resolvers, corresponding SDK extensions and carried out database migrations for an online system audition service for embedded devices
- Design and implementation of a Python SDK for an AI based online binary analyzer
- Integrated object storage usage to back-end binary analyzers
- Composed and tested customer facing documentation

Lark, Bytedance

June 2021 — Aug 2021

Fullstack Developer, summer intern

Beijing, China

- Designed and Implemented a chat bot framework & corresponding applications for recurring human labor in the workflow from scratch, focusing on automatic ticket processing and role based access control management
- Assisted in front-end refactoring for privatized deployments by interfacing the chat bot with scripts to rewire configurations of DNS (CoreDNS) and load balancers within the back-end system.
- Assisted SRE colleagues, dealt with hot-fixes during updates to microservices
- Aggregated data from monitoring systems for Kubernetes to reduce VM resource redundancies
- Implemented disk metrics agent on host machines for the monitoring service

Projects

DUTBIT studio *Core developer & Principal*

Oct 2018 — Jun 2021

Lead developer

- Design, implementation, Iteration and Maintenance of a monolithic Operation Management System for student associations, successfully established regular use within the department
- Integrated message queues and multi-layer caching to achieve optimal performance with limited resources: 100ms reduction in TTFB and faster response under load
- Experience with Aliyun (Alibaba Cloud) services, set up CI/CD pipelines

- Integration with Cloud Native components (Object store, Captcha, Message Queue, Load Balancer, CDN) for easy up-scaling
- Built Single-Sign-on (SSO) service for external partners

Principal

- Acted as mentor for freshman, provided basic introduction to web programming
- Organized and hosted tech talks with seniors as speakers
- Set up internal wiki for knowledge accumulation

LAD holographic advertising solution

Jun 2021 — Jul 2021

Project Manager

- Creates hologram ads with a rod of rapidly spinning LEDs, which leaves residualing images in the human eyes.
- Coordination and collaboration with group members majoring in EE/CS

Software Developer

- Real-time recording, relay and preview of camera footage from raspberry II
- Achieved 4x FPS boost on slow RPIs by employing SIMD hardware acceleration, front-end OpenGL image rendering

CMM Compiler & Runtime Developer, team of 2

Oct 2020 — Nov 2020

Developer

- A simple All-in-one compiler and VM runtime that interprets C-styled code and runs in the built-in VM
- Design and implementation of the PCode interpreter and a stack-based Virtual Machine.
- Implementation of the LL1 Syntax analyzer

Seafood classifier Core developer

Oct 2019 — Dec 2019

Developer

- A WeChat miniprogram that helps users identify the type of seafood in a given photo with transfer learning from an InceptionV3 model
- Implemented web crawlers for dataset collection, mini-program frontend and image-processing backend

EmuEnglish Project Manager, Core developer

Feb 2021 — Mar 2021

Independent Developer

- A website that utilizes OCR and built-in dictionaries to assist students in learning English

Skills

English Proficiency	IELTS 7.5, GRE 333+5.0
Communication	Experience with Bilingual Working Environment (Mandarin Chinese & English)
Programming	Python, Golang, JavaScript, Java
Others	Experience with MySQL, Redis, Influxdb

Awards & Honors

2019

- **1st Prize** National English Competition for College Students
- **2nd Place** IET Present Around the World, DUT division

2020

- **2nd Prize** DUT AI Contest Cloud Shape Recognition
- **2nd Prize** Chinese Undergraduate Computer Design Contest