Fu Tongyou's Resume

Currently I am a third-year computer science undergrad at Shandong University, serving an internship at ByteDance in Shanghai.

From my point of view, computer science is a field where scientific research and engineering are closely combined, and among which, what I love the most is software engineering.

As one who has passion for programming, my career aspiration is to be a software architect in one day and to create high-quality applications to help with development of the information age. Besides, I hope to improve my work-life balance so as to help grow my long term career.

To achieve this goal, my current plan is to get more experience in software development thorough the internship.

Experiences

- **R&D Intern** (2021.1 - Present, ByteDance Inc.)

This year I start my first internship in TikTok Monetization, ByteDance. Under the guidance of my mentor, I have been taking participate in designing and developing modules for the back-end system that handles requests in high concurrency. I am still trying hard to land myself in the work.

- **ACM-ICPC Contestant** (2019.3 - Present, Shandong University)

The International Collegiate Programming Contest is an competitive programming sport for students at universities around the world providing gifted students opportunities to interact, demonstrate, and improve their teamwork, programming, and problem-solving process. I have been working on it since the first year at college by learning data structures and algorithms and keeping exercises on online-judges almost every day.

- **Teaching Assistant** (2019.9 - 2020.1, Shandong University)

I assisted Professor Yuan Hao in our university with teaching C Programming Language in my second year at college. I was responsible for creating programming questions and assigning them on the online-judge system as well as tutoring students in the lab.

- **Project Manager** (2019.5 - Present, Ka'er Technology Inc.)

I have a post in the company of my upper schoolmate, which is engaged in the research in music and artificial intelligence. I was involved in the processing of deep learning datasets, which was a part of our project on automatic music composition and harmony.

Projects

Some of the following are my individual projects, while others are for my on-campus courses.

- [awesome-bot](#) - A multi-functional chatbot developed in NoneBot and CoolQ.
- [LIMS](#) - A library information management system developed in Laravel PHP MVC framework.
- [MGIT_Codeforces](#) - Codeforces rating of ACMers at SDUWH on visualization.

Honors

- The 10th Shandong Provincial Collegiate Programming Contest - Silver Medal
- 2020 Collegiate Computer Systems & Programming Contest - Bronze Medal
- 2020 Group Progromming Ladder Tournament - Gold Medal
- The 12th Challenge Cup National College Student Business Plan Competition - Bronze Medal
- 2019 Winter Programming Ability Test (Advanced Level) - Score: 100/100, Rank: 1/1085
- 2019 Spring Programming Ability Test (Basic Level) - Score: 100/100, Rank: 1/718
- 2018 - 2019 Shandong University Scholarship - First prize
- 2019 - 2020 Shandong University Scholarship - First prize

Skills

As a fan of algorithm competition, I solved over one thousand problems on online-judges by C++. So it is easy for me to do structured programming using C and C++ STL. Recently I start to learn design patterns in order to make the programming designs more flexible, more resilient to change, and easier to maintain.

As is mentioned above, I started my first intern job at the beginning of this year. During the landing process I got an understanding of Agile and DevOps and carried them out with practices using Golang RPC framworks and Web middlewares like MySQL, Redis, MemCache, Kafka and so on. I also learned a lot about how to communicate adequately on product requirements and technical solutions with colleagues.

Furthermore, I carried out a lot of practice on data crawlers and many other areas out of interest when in college. There were many times when I lost myself in those technologies and forgot about the time. Every time I spend time on them I feel much happy and contented indeed. I think the active mind and the enthusiasm for technology are my biggest advantages.

Contact Information

Tel: +86 17863152702
QQ: 904854724
Wechat: Singularity0909
Email: singularity2u@outlook.com
Linkedin: https://www.linkedin.com/in/singularity0909/