Dong Jia

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Qualification Highlights

Technical Skills

- Developed and maintained back-end services for top companies in China for over two years.
- Mastered **multiple** programming languages including Java, C/C++, Go, Python, Rust.
- Gained valuable experience in various fields, including AI infrastructure, e-commerce platform and cloud-native components.

Research Skills

- Conducted through research on heart disease diagnosis via machine learning.
- Completed an academic course on NLP using a modified Transformer Model.
- Accomplished a thesis that was selected as **the most outstanding thesis** at the university level.
- Worked as a research assistant and collected papers and research prospects.

Teamwork Skills

- Collaborated with different members of commercialized companies to maintain several programs.
- Worked on two different project teams at the same time for two months.
- Led a student organization in my sophomore year.

Education

Shandong University
Jinan, China

Bachelor of Engineering (Major: Software Engineering, Minor: AI)
Sept. 2016 - June 2020

- Graduated with best thesis of the university.
- Selected to enter the **pilot class – AI** that opened in 2018.
- Courses: Machine learning, Computer vision, Natural language processing, Information retrieval, Operating System, Database System, Computer Networks, Linear algebra.

Professional Experience

Pinduoduo Inc.
Shanghai, China

Back-end Software Engineer
Jul. 2020 - Apr. 2022

- Developed and maintained services related to marketing activities and basic support.
- Modified product solutions from a technical perspective.
- Provided stable service to **millions of people** who participated in our activities.
- **Technical Skills:** Java, MySQL, Hive, Redis, Kafka, Spring framework, MyBatis.
- **Soft Skills:** Teamwork, Time Management, Communication.

Huya Inc. *Guangzhou, China*
AI Platform Development Internship *Jun. 2019 - Nov. 2019*

- Increased the efficiency of the Image Labeling Platform by providing a hint label inferred from well-tuned Inception models.
- Developed a tool for **automatic Dockerfile generation** saving 90% of the work to build Docker images.
- Deployed the Prometheus monitoring system and modified alerting rules for the AI platform.
- Maintained and managed Kubernetes clusters
- **Technical Skills:** Python, Go, Kubernetes, Prometheus, Grafana, Linux tools, Git, Bash.
- **Soft Skills:** Independent work, Critical thinking, Presentation Skills.

University Projects

Diagnosis of Atrial/Ventricular Fibrillation *Jinan, China*
Research assistant *May. 2018 - Dec. 2018*

- Designed a prototype to classify heart diseases (AFib/VFib) based on ECG signals from the MIT-BIH dataset.
- Conducted thorough research and summarized articles, including the basic scientific pathway.

Machine Translation based on Transformer *Jinan, China*
Academic Course *Sept. 2018 - Jan. 2019*

- Used different datasets to train a modified transformer model, including WMT18, OpenSubtitles, MultiUN, UMCORPUS.
- Achieved an A+ in this course.

Volunteer Experience

Student Organization in SDU *Jinan, China*
Group Leader *Sept. 2017 - Jul. 2018*

- Held weekly meetings at the Software School.
- Recruited new members.
- Organized and developed the student service application.

Honors & Awards

2017,2018	**Scholarship**, Twice national Motivational Scholarship	*Jinan*
2020	**Thesis**, Outstanding graduated thesis of Shandong University	*Jinan*

Interests

Linux	Since 2017, I enjoyed working with Linux and used Ubuntu, Arch, Manjaro.
Writing	I write descriptive blogs, some of them are on my GitHub and my site.
Vim/Neovim	I prefer the lightweight vim-like editors to an IDE.

Languages

English	Professional proficiency
Chinese	Native proficiency

References available upon request.