Zeyuan (Faradawn) Yang
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EDUCATION

The University of Chicago   Chicago, IL
Master of Science in Computer Science (GPA: 3.8/4.0)   Sept. 2023 - Jun. 2024
Bachelor of Science in Computer Science and Mathematics (GPA: 3.6/4.0)   Sept. 2020 - Jun. 2023

PROFESSIONAL EXPERIENCE

Ovative Group   Minneapolis, MN
Data Engineer   June. 2024 – Present
- Partitioned a relational database based on frequently accessed fields, reducing execution time from 13.31s to 1.17s.
- Built ETL pipelines that process 10 million ingestions using DBT, Airflow, and Kubernetes with 99.9% uptime.
- Led migration of 32 pipelines from Google Cloud to Databricks, improving speed while ensuring data consistency

Seagate Technology   Chicago, IL
Software Engineer   June. 2022 – Sept. 2022
- Resolved a critical Kafka deployment error by fixing the CNI for Kubernetes, improving delivery timeline by 20%.
- Designed 6 diverse workloads to benchmark their distributed system, revealing 3 major performance bottlenecks.
- Boosted system throughput by 50% through scaling analysis, optimizing the disk-to-node ratio for efficiency.

TikTok   Beijing, China
Software Engineer   Jun. 2021 – Sept. 2021
- Developed a high-performance Sudoku app for touchscreens using JavaScript, reduced runtime from 140s to 0.02s.
- Reduced memory consumption by 9x through converting arrays to bitmasks, ensuring efficient resource utilization.
- Built a full-stack visitor scheduling website using React and Django, saving visitors 10 minutes per appointment.

Byto Inc.   Chicago, IL
Software Engineer   Jun. 2020 – Jun. 2021
- Developed a Vue.js job board platform adopted by 53 stores across Chicago.
- Built a real-time chat feature using NoSQL and Node.js, resulting in a 30% increase in user engagement.

RESEARCH & PROJECTS

Paper: Leveraging AI for Faster Storage Access   University of Chicago
Machine Learning Researcher   Nov. 2021 – June. 2024
- Developed a graph neural network to optimize cache prefetching in multi-user cloud environments.
- Tested on Meta and Microsoft workloads, saving storage access time by 33%.
- Outperformed state-of-the-art machine learning models with a 79.9% improvement in inference time.

IOS App: "*Latin Garden*", "*Flowers Don't Die*", "*Rolling Monsters*"   Jan. 2021 – June. 2021
- Developed an 2 education apps that won $10,000 prize at Ai4Science Hackathon.
- Won 4.9 rating with 6.7k downloads on App Store and was endorsed by Beijing Forestry University.

Enterprise Website: *US-Korea Conference 2022*   Jan. 2022 – Oct. 2022
- Developed an enterprise-level website streamlining paper submissions for 123 researchers.

SKILLS & INTERESTS

ACM-ICPC Programming Contest: 2023 Regional Silver Medal, 2022 Silver Medal.
Video creator: YouTube and Bilibili (8k subscribers).
Skills: C, C#, C++, Python, Java, JavaScript, Rust, R, SQL, PHP, Pytorch, Tensorflow, AWS, Hadoop.
Courses taken: Operating Systems, Networks, Architecture, Computer Vision, Statistics, Deep Learning.