

Haibo Zhao

Malden, MA | 857-376-1792

zhao.haib@northeastern.edu | <https://www.linkedin.com/in/haibo-zhao-b68742250>

EDUCATION

Northeastern University, Boston, MA

April 2024

Khoury College of Computer Sciences

September 2022

Master of Science in Computer Science Align

3.9

Related Courses: Object Oriented Programming, Database Management, Algorithm, Computer System

Xi'an jiaotong University, Xi'an, China

June 2020

Bachelor of Engineer in Electronics Science and Technology

Related Courses: Natural Language Processing, Computer Vision, Stochastic Process

TECHNICAL SKILLS

Languages: Javascript, Typescript, NoSQL, SQL, Java, C++, Golang, Python, C#, C, Html, Css.

Frameworks: React, Node.js, Vue2.0, Vue3.0, Gorm.

Developer Tools: Git, Docker, Postman, Azure DevOps, K8s, VS Code, Visual Studio, PyCharm, IntelliJ.

Libraries: Echarts, Vuetify, Element plus, Semidesign, Gorm, Pytorch, Tensorflow, STL, Cuda.

PROFESSIONAL EXPERIENCE

Advanced Micro Devices(AMD), Remote

June 2022 - September 2022

Co-Op/Intern

- Developed a disk usage management tool improved efficiency and saved time for over 300 employees, resulting in a 15-minute time savings per person each day.
- Implemented a disk usage getter using Linux bash, Python, and Regular Expression.
- Designed an alerting system in Python to email developers with highest disk usage when disk space is running low.

General Electric Co.(GE), Xi'an, China

June 2022 - September 2022

Sde Intern

- Constructed a new feature called "Repairing ability upload" for an airplane repair management platform operated by 400+ employees in a world-renowned airline company. This feature saves users an average of 60% time per upload.
- Built user-friendly web interfaces using Vue 2.0, Typescript, Echarts, and Vuetify to facilitate seamless upload and management of Repairing abilities.
- Created an efficient upload file decoder with Typescript and Regular Expressions to ensure accurate and timely processing of uploaded Repairing data.
- Accomplished a RESTful API deploying Node.js and PostgreSQL for smooth communication between front-end and back-end systems.
- Devised an upload application management system utilizing a finite state machine and Node.js to automate upload process and ensure system reliability.
- Formulated and implemented a database monitor for GE's EMS system, resulting in a 10% improvement in downstream task accuracy.
- Constructed monitor leveraging C and Azure sql.
- Managed project with Azure DevOps, ensuring effective collaboration and continuous integration.

Bytedance Co, Beijing, China

April 2022 - June 2022

Back-End Development Intern

- Created a data platform for the Content Delivery Network, resulting in a monthly bandwidth savings of 12TB.
- Built frontend of data platform using React, ECharts, and Semidesign.
- Devised backend of data platform with Redis, MySql, Golang and Gorm.
- Designed backend for frontend of data platform for service discovery.

iFLYTEK AI lab, Anhui, China

April 2021 - June 2021

Mle Intern

- Developed a traffic signal and lane detection system reduced costs by 80 percent compared to previous version.
- Utilized Pytorch and Python for model training and C++ for inference.
- Deployed system on an embedded Nvidia Jetson platform.

PUBLICATION

- Detection of intensity peaks in high-resolution transmission electron microscopy image based on YOLOv3 Nan Hu Ma Xiao- Jing Zhao Hai-Bo Tang Shao-Jie Jia Chun-Lin in Acta Phys. Sin. Vol. 70, No. 7 (2021) 076803.
- PCRLaneNet: Lane Marking Detection via Point Coordinate Regression Pan Wang, Jianru Xue, Haibo Zhao in IEEE. IV2021.