

I-Hsien Lin

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EXPERIENCE

Software Engineer

Jan 2022 – Now

Micron Technology, Taoyuan, Taiwan

- Designed a .Net Core worker service to enrich 130000 equipment messages per day by receiving Apache Kafka messages and connecting to Web API for 150 users. Contributed to reduction of resources and the robustness of the backend infrastructure in the company.
- Developed a C# .Net Core worker service to automatically monitor the unexpected status of equipment via querying from Tibco Data Virtualization view, MSSQL and Kafka messages and enhanced efficiency by 40%.
- Implemented a new Web API which improved the efficiency of 50% and ensured seamless communication between various systems.
- Redesigned a worker service to be more configurable, so that end site users were able to adjust the filtering criteria without going through all process.
- Deployed 10 services to OpenShift through building stages in Azure DevOps CI/CD pipeline within Docker containers.
- Maintained the code versions of 10 services utilizing Git.
- Monitored 5 services by developing Splunk dashboard and alerts to automatically capture exceeding threshold errors and exceptions.
- Collaborated with cross-functional agile team to achieve 100% sprint commitment and QA team to ensure the quality of software.
- Troubleshoot and documented 13 systems issues in one sprint and shared knowledge to other teams. Managed and supported 120 incidents in 1 year and average solving time is 40 minutes.

EDUCATION

Master in Biomedical Informatics

Sep 2019 - Aug 2021

National Yang Ming Chiao Tung University, Taipei Taiwan

GPA: 4.13 / 4.3

- Proposed a GPU-based Feature Extraction algorithm in CUDA and achieved 179000% speedup within half a year.
- Led a data analyzing team working on a stroke project using Random Forest, Decision Tree and Extra Tree in Python and obtained 85% accuracy.
- Segmented cortex using Nested U-Net and reached 84% IOU.

Bachelor in Information Management

Sep 2015 – Jun 2019

National Sun Yat-sen University, Kaohsiung Taiwan

GPA: 3.64 / 4.3

- Developed a Real-Time Earthquake Rescue Application in Android Studio. Reached the finalist in International ICT Innovative Service Award 2018.
- Designed an exchanging goods website in PHP, HTML and CSS and reached the finalist in Information Management Contest.

SKILLS

Worker Service | API | ASP .NET Core | Kubernetes | Docker | Azure DevOps | CI/CD | Agile | Kafka | Git | Tibco Data Virtualization | Parallel Computing | Machine Learning | Deep Learning | Application Development | Python | CUDA | C/C++/C# | Android Studio | MySQL | Docker | HTML/CSS/PHP | Linux Operating System | Splunk | Apache NiFi | Apigee

LANGUAGE

Mandarin: Native

English: Fluent

German: Knowledge