

Larry Yu

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Skills:

Full Stack Web Development | Machine Learning | Artificial Intelligence | Data Analysis Modeling | Project Management | Cloud Computing | Python | Go | TypeScript | C# | Java | C++ | HTML | CSS | SQL NoSQL | Amazon Web Services (AWS) | Flask | FastAPI | Pytorch | Selenium | NextJS | Angular | .NET |

Work Experience:

Software Engineer Intel Corporation 08/2022 - 08/2023

Participated in the entire SDLC of an enterprise microservices web application, enabling GPU engineers to schedule and test GPU driver on simulation servers globally

- Optimized front-end performance by 7% by developing a caching service layer and an observable architecture service
- Reduced the workload of each server instance by 2% by developing the front end and a service API that displays error messages, eliminating the need for engineers to search for errors
- Deployed and monitored application usage in CI/CD environment, utilizing Docker, Kubernetes, Github Actions, and Grafana
- Provided user support on a rotating on-call schedule, troubleshooting issues, and guiding users through the usage of the application
- Python, TypeScript, Flask, Angular, Postgres, Docker, Kubernetes, Microservices, Agile, CI/CD, Code Review, Grafana, Splunk, Test Driven Development (TDD), Unit Test, Functional Test, Linux

Web Application Developer Ayoka Systems 01/2022 - 03/2022

- Built interactive web app for customer inventory and manufacturing data using JavaScript, C#, Vue.js, ASP.NET, Ag-Grid, SQL
- Developed 2 REST APIs: a filtering data pipeline API, and a dynamic table generation API

Software Developer Intern Tyler Technologies 05/2021 - 08/2021

- Developed critical module for enterprise desktop application using C# and WPF
- Integrated legacy code into a modern framework, ensuring seamless transition
- Collaborated with a team of 3 interns, conducted code reviews

Python API Developer Dynotify Inc. 11/2020 - 02/2021

- Designed, developed, and documented 3 Restful API services in Python FastAPI

Teaching Assistant Southern Methodist University 01/2023 - 12/2023

- Teaching assistant for Intro to Artificial Intelligence course

Education:

Southern Methodist University

M.S. in Computer Science, Artificial Intelligence and Machine Learning Specialization 12/2023

B.S. in Physics, B.A. in Economics 05/2022

- Coursework: Business Forecasting, Econometric, Computer Architecture, Project Management, Natural Language Processing, Machine Learning, Quantum Informatics, Cloud Computing, Database Management, Digital Logic, Mobile Application for Sensing and Learning