

Di Lin

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EDUCATION

University of Washington

Master of Science, Computer Science & Engineering, March 2026 – September 2023

Shanghai Jiao Tong University

Bachelor of Engineering, Information Engineering, September 2014 – July 2018

WORK HISTORY

Microsoft - Software Engineer II

Core AI — AI Platform (Speech / AI Agents)

September 2022 – Present | Redmond, Washington, United States

Microsoft Foundry Speech (AI Platform / Foundry Integration)

Tech lead driving Azure Speech enablement in Microsoft Foundry, a next-generation AI platform for building and governing AI agents.

- Led 0→1 integration of Azure Speech capabilities into Foundry, enabling Speech within the AI agent platform
- Delivered key user-facing features including Speech-to-Text playground, Custom Speech fine-tuning, Speech Translation, etc.
- Enabled Speech capabilities to be consumed by Foundry via MCP-compatible interfaces

Azure Speech MCP Server (LLM Agents / Tooling Infrastructure)

Led full lifecycle development of Speech MCP servers (local + cloud-hosted).

- Took project from exploration → prototype → production delivery within 2 months
- Built MCP server enabling standardized model/tool access for speech capabilities in AI agents
- Delivered both local dev experience and Microsoft-hosted remote service integration

ASTRA (Auto Speech Technology and Response Agent)

Led development of a multi-agent system to automate ADO ticket handling for automotive speech scenarios.

- Built multi-agent architecture (diagnosis, data processing, evaluation) for bug triage and customer interaction
- Integrated Semantic Kernel + Azure AI Services + AI Search for LLM-based reasoning and automation
- Delivered production system with scalable backend (Cosmos DB, Storage), CI/CD, and monitoring
- Reduced manual workload and improved ticket response efficiency for engineering teams

Other Projects (condensed)

- **Azure AI Speech Toolkit (VS Code extension)** – Built from scratch; 12K+ installs
- **Speech Insights V2 API Service** – Led V1→V2 redesign, resolved scalability bottlenecks, integrated metrics + portal
- **AM / E2E Customization** – Developed containerized ASR model adaptation pipeline (acoustic / text / semi-supervised adaptation)

Microsoft - Software Engineer

DevDiv China, Cloud + AI

June 2018 – August 2022 | Shanghai, China

Microsoft Teams Toolkit

- Contributed to Microsoft Teams Toolkit, improving end-to-end developer experience from app scaffolding to production monitoring
- Delivered key features including Simple Auth, Bot SDK integration, Azure CLI integration, and local debugging enhancements
- Supported platform adoption for building collaborative apps in the Teams ecosystem Azure IoT Dev Tools Development

Other Contributions (Condensed)

- Azure IoT Developer Tools (Visual Studio / VS Code extensions)
- Develop VS Code extensions development, including Azure IoT Workbench, Arduino (868k installs), IoT Plug & Play, Azure IoT Cube, etc.

YITU Tech - Backend R&D Intern

November 2017 - June 2018 | Shanghai, China

- Worked on large-scale smart security system processing millions of surveillance images daily
- Built backend services for image processing, classification, and real-time query

Microsoft - Software Engineer Intern

June 2017 - September 2017 | Shanghai, China

- Built HTML5 IoT sample web application on Azure to demonstrate modern cloud + IoT scenarios

SKILLS

Programming Languages: C++, TypeScript, C#, Python, Java

Languages: English, Chinese

Environment/Tool: AI Agents, MCP, Custom Speech, Deep Learning, Visual Studio Code, .NET core, node.js, docker