XIAOYUN ZHANG

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WORKING EXPERIENCE

Senior SDE, Microsoft	**Sep 2022 - Present**
SDE II, Microsoft	**Sep 2020 - Sep 2022**
SDE I, Microsoft	**Oct 2018 – Sep 2020**

PROJECTS

AutoGen

Co-author and Co-contributor | May 2023 - Present A multi-agent framework for fast prototyping agentic frameworks - Pioneered the multi-agent pattern in AutoGen, establishing it as one of the most popular frameworks in the LLM-agent field - Proposed and implemented the GroupChat pattern, a key feature driving AutoGen's popularity - Maintained core library, including both .NET and Python implementations - Contributed to AutoGen's influence on subsequent multi-agent frameworks in the AI industry

ML.Net & ML.Net Model Builder

Owner and Core Contributor | May 2019 - Present

ML.Net

Core Contributor | May 2019 - Present

The most popular machine learning framework in dotnet - Implemented Microsoft.ML.AutoML v2 framework from scratch, inspired by FLAML, providing state-of-the-art performance for tabular data - Developed a highly extensible AutoML framework widely used by internal teams for online model updates - Implemented GenAI models using TorchSharp, including Phi-3, Llama-3, Mistral, and Stable Diffusion - Enabled .NET developers to integrate GenAI models within the .NET tech stack, filling a crucial gap in the ecosystem

Model Builder

Owner and Core Contributor | May 2019 - Present

The most popular machine learning wizard in visual studio - Led the development team for ML.Net Model Builder, the most popular machine learning wizard in Visual Studio - Improved tooling experience for .NET developers entering the machine learning field - Provided AutoML capabilities for common scenarios including classification, regression, object detection, and NLP tasks - Collaborated with Product Management to investigate and prioritize new features - Worked with research teams to ensure implementation of state-of-the-art machine learning algorithms

SIDE PROJECTS

StepWise

An agentic workflow engine for building, visualizing, and executing workflows

Agent Chatroom

A multi-agent chat UI for AutoGen

EDUCATION

B.S Computer Science and Technology
- Xi'an Jiaotong University
- 2014 – 2018

SKILLS
- Programming Languages: C#, Python, JS/TS