**Di Lin**

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**Personal Website:** <https://binarywoodb.github.io/> **GitHub Website:** <https://github.com/dilin-ms/>

**LinkedIn:** <https://www.linkedin.com/in/di-lin-778b8a119/>

**EDUCATION**

Sept 2014 - July 2018

**Shanghai Jiao Tong University**

*Bachelor of engineering*  Electronic Engineering

**WORK EXPERINCE**

July 2018 - Present

**Microsoft**, Software Engineer II

*Cloud+AI Department, DevDiv China Team*

1. **MetaOS, DevDiv Teams DevX**

* //Build 2021: [Build the next generation of collaborative apps for hybrid work](https://www.microsoft.com/en-us/microsoft-365/blog/2021/05/25/build-the-next-generation-of-collaborative-apps-for-hybrid-work/)​
* Public preview (2021.05.25): [Build apps faster with the latest Microsoft Teams Toolkit](https://techcommunity.microsoft.com/t5/microsoft-teams-blog/build-apps-faster-with-the-latest-microsoft-teams-toolkit/ba-p/2384611)
* Shanghai team delivers advanced Microsoft Teams Toolkit to enhance developers’ development from scaffolding a new app to real-time monitoring in production.
* I mainly took part in: Simple Auth, Bot SDK, Azure CLI, Azure Functions Binding, ARM template Bicep support, local debug experience, etc.

1. **Azure IoT Dev Tools Development**

* The project develops Azure IoT dev tools on Visual Studio & Visual Studio Code, enabling developers to better leverage Azure IoT Services.
* Work on VS Code extensions development, including [Azure IoT Workbench](https://marketplace.visualstudio.com/items?itemName=vsciot-vscode.vscode-iot-workbench), [Arduino](https://marketplace.visualstudio.com/items?itemName=vsciot-vscode.vscode-arduino) (868k installs), [IoT Plug & Play](https://docs.microsoft.com/en-us/azure/iot-develop/overview-iot-plug-and-play), Azure IoT Cube, etc.

**YITUTech**,Backend R&D Engineer (Intern)

Nov 2017 – June 2018

*R&D Department*

**AI Smart Security Solutions System**

* The distributed system collects millions of pedestrian surveillance images each day, analyzing and classifying each picture, building up personal dossier. The response time is on the order of second. The system is applied in multiple cities’ public security department (Shanghai, Fujian, etc.) for security supervision, and is applied for campus management.
* Work on the system’s backend development, including MongoDB improvement, enabling Kafka in the distributed system as well as setting up data warehouse to improve service performance.

**Microsoft**,Software Development Engineer (Intern)

June 2017 – Sept 2017

*Cloud+AI Department, DevDiv China Team*

**HTML5 IoT Sample Web App**

* Implement [a HTML5 IoT Web App](https://drive.google.com/file/d/0B0TQ_bX65inkY0tzMmYyRFNVQ2c/view?usp=sharing) to vividly demonstrate Azure IoT Services scenarios.

**SKILLS**

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

**Languages:** English (564 in CET-6, 90 in TOEFL)

**Environment/Tool:** Linux / Win, Visual Studio Code, .NET core, node.js, docker

**林迪**

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**个人主页：**<https://binarywoodb.github.io/> **GitHub主页:** <https://github.com/dilin-ms/>

**领英:** <https://www.linkedin.com/in/di-lin-778b8a119/>

**教育经历**

2014年9月至2018年7月

**上海交通大学**

*工科学士学位* 电子信息与电气工程学院 信息工程专业（工科实验班）

**工作经历**

2018年7月至今

**微软亚太研发集团**，软件工程师II

*微软云计算与人工智能事业部（C+AI），DevDiv中国*

1. **MetaOS, DevDiv Teams 开发平台事业部**

* 2021 Build大会：[构建下一代混合式开发的协作应用程序](https://www.microsoft.com/en-us/microsoft-365/blog/2021/05/25/build-the-next-generation-of-collaborative-apps-for-hybrid-work/)
* 公开预览（2021.05.25）：​[使用最新的微软Teams开发工具来更快构建小程序](https://techcommunity.microsoft.com/t5/microsoft-teams-blog/build-apps-faster-with-the-latest-microsoft-teams-toolkit/ba-p/2384611)
* 上海组交付了一整套升级版微软Teams开发工具包来提升开发者的开发体验，开发流覆盖从搭建新应用程序到在生产环境中的实时模拟。
* 我主要参与：简易认证，机器人SDK，CLI开发，Azure Functions绑定，ARM template Bicep 支持，本地调试体验开发等。

1. **Azure云物联网开发工具**

* 该项目主要开发VS和VS Code物联网开发工具，方便开发者使用Azure物联网服务。
* 开发Visual Studio Code 物联网插件，包括[Azure IoT Workbench](https://marketplace.visualstudio.com/items?itemName=vsciot-vscode.vscode-iot-workbench), [Arduino](https://marketplace.visualstudio.com/items?itemName=vsciot-vscode.vscode-arduino) (86.8万下载量), [IoT Plug & Play](https://docs.microsoft.com/en-us/azure/iot-develop/overview-iot-plug-and-play)，Azure IoT Cube等等。

**依图科技**，后端研发工程师（实习生）

2017年9月至2018年6月

*研发工程部*

**城市级人像识别解决方案**

* 基于人像的城市级解决方案，以计算机视觉为核心，通过城市视频监控设备为“眼目”，构建城市和行业专属的智能安防体系。该分布式系统每日检索百万级别视频数据，识别人像并将相关信息存入人像库，进一步提高识别精度。提供关系挖掘、同行分析、行为模式挖掘等功能。该系统已应用于上海、福建等城市公安安全系统，以及一些园区智能化管理。
* 负责这一分布式系统的后端开发，包括MongoDB优化，在服务器中应用Kafka、数据仓库等，改善服务器性能。

**微软亚太研发集团**，软件工程师（实习生）

2017年6月至2017年9月

*微软云计算与人工智能事业部（C+AI），DevDiv中国*

**HTML5 物联网展示网页**

* 基于HTML5实现一个展示用[Web App](https://drive.google.com/file/d/0B0TQ_bX65inkY0tzMmYyRFNVQ2c/view?usp=sharing)，生动阐释不同Azure物联网服务应用场景。

**技能**

**编程语言：**C++，TypeScript，C#，Python，Java等

**语言:** 英语听说读写流利（六级564分，托福90分）

**开发环境/工具：**Linux / Win，Visual Studio Code，.NET core，node.js，docker