**Di Lin**

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**EDUCATION**

Sept 2014 - July 2018

**Shanghai Jiao Tong University**

*Bachelor of engineering*  Electronic Engineering

**WORK EXPERINCE**

July 2018 - Present

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

*Cloud+AI Department, DevDiv China Team*

1. **MetaOS, Microsoft Teams App Platform**

* The project develops a Teams app platform aiming to increase both platform attractiveness and stickiness by having businesses bet their Enterprise workflows on custom Teams experiences.
* Work on Auth Server to simplify developer’s authentication and authorization dev experience. Develop Azure Functions binding to simplify auth on Azure Functions backend.

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), Azure IoT Cube, etc. Develop containerized feature which simplify cross-compiling toolchain set up and configuration process, largely mitigate the cross-compiling dev pain.

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

**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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**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（SDE）

*微软云计算与人工智能事业部（C+AI），DevDiv中国*

1. **MetaOS, 微软Teams App 开发平台**

* 该项目为Microsoft Teams app开发平台，提高Teams的使用量和用户粘度。致力于使用户将他们的业务逻辑流程都放入定制化的Teams开发体验中。
* 其中我主要负责认证服务器的开发，以简化开发者的认证和授权开发体验。开发了Azure Functions的认证服务器触发器，使得Azure Functions后端开发者的认证流程得以简化。

1. **Azure云物联网开发工具**

* 该项目主要开发Visual Studio和Visual Studio Code上的物联网开发工具，使开发者更易于使用Azure的物联网服务。
* 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), Azure IoT Cube等等。开发了容器化开发工作流，简化了繁琐的交叉编译工具链配置过程，极大便利了跨平台物联网开发者。

**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，生动阐释不同Azure物联网服务应用场景（[PPT](https://drive.google.com/file/d/0B0TQ_bX65inkY0tzMmYyRFNVQ2c/view?usp=sharing)）。

**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