Personal Information
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Summary
* **6 years** software engineering experience （3-year in C# and .NET, 2-year in iOS, 1-year in Python），relating fields: robotics, banking, finance, social communication and game.
* 3 one-person **side projects**:
A full web application with **MEAN** stack (GitHub).
An iOS application with 55661 downloaded.
A react native application with 6788 downloaded.
* MSCS with 1073 contributions on GitHub in past one year.

Technical Skills
Tool: **Docker**, Vim, Git and **GitHub**(especially solutions for code conflicts in teamwork), Data Structure, Algorithm
Languages: **JavaScript**, TypeScript, **Python, Swift, Objective-C, C#, Java**, C++, C, Scala, Solidity, Shell Script(Unix shell)
Mobile: **iOS**, **React Native, Windows Phone**
Blockchain: Ethereum, Solidity, Hyperledger
Front-end: Ajax, jQuery, HTML, CSS, Bootstrap, **Angular**, Angular Material, HTTPS
Back-end: Node.js, **Express.js**, Django, Servlet, Socket.IO
Database: Database Design, Relational database, MySQL, **SQLite, SQL Server**, NoSQL, MongoDB
Big Data: Spark, Hadoop, MapReduce
Cloud Server: Microsoft Azure, AWS, **DigitalOcean**
Development and Deployment: SSH, Ubuntu, **Docker**, **Travis CI**, Kanban, **Scrum**
Design: Design Pattern, Functional programming, Reactive programming, MVC, MVVM
Testing: unittest, Mocha, TDD

Work Experience
1. AXM TECHNOLOGY CO., LTD., Shenzhen, China, FEB 2017 - SEP 2017, **Robot Software Developer**
* Developed built-in software for Japanese SoftBank robot (named Pepper) based on Python language and NAOqi OS (Linux-based), which is used by the world's second

largest bank: China Construction Bank and the world's largest energy company: State Grid.
* Formulated a script in 2 weeks to control robots remotely based on Python instead of deploy robots on site which saved a lot traveling time of colleagues. Improved the efficiency further by 83% based on Ansible to reduce the remote deployment time from 30 minutes to 5 minutes of each robot.
* Cooperated with the Android team with **ZeroMQ** (messaging library) by sending messages to and from Android devices, helping the marketing team to sell three hi-tech robots immediately, earning $20,000 for the company.
* Converted the robots who can't listen and speak at the same time to reach full duplex(listen and speak at the same time) based on logic cooperating with the hardware team, which boosted both sales and reputation.

2. BLUE FOCUS COMMUNICATION GROUP CO. LTD., Beijing, China, May 2015 - Apr 2016, **iOS Software Developer**
* Implemented an iOS application independently based on Model View Controller(MVC) design pattern to provide social communication platform for anime fans, a project funded by the TOP 9 Global PR Agency: BlueFocus Communication Group.
* Achieved custom UI components with Swift to enhance the users' search speed of choosing time period by 90%. Shared several custom UI components on Github and got more than 40 stars.
* Attained multiple view controller within one file based on Storyboard to save time building users interface.
* Restructured the app which was programmed by Objective-C based on Swift, Cocoapods and SQLite to improve the control speed by 20% with higher efficiency and simpler grammar.

3. Beijing Crossmo Technology, Beijing, China, May 2013 - May 2015, **Mobile Software Engineer（iOS & Windows Phone）**
* Delivered a social communication Window Phone application based on .Net, C#, Windows Phone Toolkit, MVVM, Visual Studio 2010 for game fans, which attracts over 5000 users.
* Coded modules for the iOS application based on Objective-C, Swift, Interface Builder, Storyboard, Apple Watch, SQLite, CocoaPods, MVC design pattern, GitHub.

4. BANCLOGIX SYSTEM CO.,LTD., Beijing, China, Jun 2011 - May 2013, **.NET Software Engineer**
* Customized a foreign exchange online trading platform based on .NET and C# for client: China CITIC Bank(China's seventh-largest lender in terms of total assets).
* Succeeded deliver the platform in 15 months based on C#, SQL Server, WCF, WPF, TFS, SVN, Visual Studio 2010, creating 3.5 million turnover for the company.
* Awarded the 2012's Most Improved Employee with about $2,000 bonus.

Side Project

1. Global Chat (one person project) GitHub
A full web application programmed with MEAN stack (MongoDB, Node.js, Express.js and Angular) to make people from different language backgrounds chat instantly.
* Stored users' chat information with MongoDB
* Implemented Rest API with Express.js
* Achieved live chat by Socket.io
* SSL enabled HTTP secure connection
* Generated user authorization with JWT(JSON Web Token)
* Unit testing with Mocha
* Implemented the front end with Angular and Angular material
* Customized custom validation implements async asynchronous mailbox validation
* Formed continuous automated unit testing and integrated deployment with Github, Docker, and TravisCI.

2. Tomato (one person project) GitHub
An iOS app used as an efficient time manager.
* Launched final product to App Store in 2 months and continuously updated to 2.2 version in 10 months, finally accumulated 55661 downloaded users.
* Stored tasks list and tomato numbers with SQLite3 and FMDatabase.
* Displayed Chart information with JB BarChartView library.
* Upgraded to full version by applying in-app purchase function, earning 60 dollars.

3.Magic Memory (one person project)
A react-native app remind you to review your materials at certain best moments to achieve a better result of memory.
* Launched final product to App Store in 1 month, and continuously updated to new version, finally accumulated 6788 downloaded users.

Education
Master of Science in Computer Science
(In progress via distance education; immediately for full-time employment, expected completion 20 June 2020)
Maharishi University of Management, Fairfield, Iowa