

CUN YANG

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Technical Skills

Languages:	Python, Swift, Objective-C, C#, Shell Script (Unix shell)
Tool:	Docker, Travis CI, Git, Vim, Ansible, Supervisor
Database:	Database Design, MySQL, SQLite3, MS SQL, MongoDB
Web:	Angular, Node.js, jQuery, CSS Layout, Bootstrap, Rest API, JSON
System:	Ubuntu, macOS, NAOqi (Linux-base)

Work Experience

- Robot Software Engineer (Python)** at AXM Shenzhen, China *Feb 2017 - Sep 2017*
- Developed and distributed software for a human-shaped robot (named Pepper, from SoftBank) based on NAOqi OS (Linux-based) and Python API. Our robot is used by the world's second largest bank: China Construction Bank and the world's largest energy company: State Grid.
 - Developed the new version of installation tool with Ansible, decreased the configuration time from 30 minutes to only 1 minute.
 - Formulated an remote deployment tool to update robot software remotely which saved a lot traveling time of colleagues. Decreased the deployment time from 30 minutes to 5 minutes.
 - Broke the Wi-Fi authentication limit, pushed the project forward dramatically, using Android and ZeroMQ.
- Senior Software Engineer (Python, Django)** at XinliReading Beijing, China *April 2016 - Feb 2017*
- Developed an online book-reading website for people who are interested in reading the same books, allow the users to share their notes and impressions with other readers, using Python, Django 1.9, SQLite3, HTML5, Bootstrap and Apache.
- Senior iOS Software Engineer** at BlueFocus Beijing, China *May 2015 - April 2016*
- 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.
- iOS Software Engineer** at Crossmo Beijing, China *May 2013 - May 2015*
- 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.

.NET Software Engineer & Intern at Banclogix
2013

Beijing, China

Jun 2011 - May

- 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#, MS SQL, WCF, WPF, TFS, SVN, Visual Studio 2010, creating 3.5 million turnovers for the company.
- Awarded the 2012's Most Improved Employee with about \$2,000 bonus.

Personal Side Projects

Global Chat (JavaScript, Node.js, MongoDB, Angular2) [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.

- Implemented Rest API with Express.js, stored users' chat information with MongoDB
- Achieved live chat by Socket.io, enable HTTPS secure connection with SSL
- Generated user authorization with JWT (JSON Web Token)
- Implemented the front end with Angular and Angular material
- Customized custom validation implements asynchronous mailbox validation
- Unit testing with Mocha
- Formed continuous automated unit testing and integrated deployment with GitHub, Docker, and TravisCI.

Tomato (iOS) [GitHub](#)

An iOS app used as an efficient time manager tool.

- Launched final product to App Store in 2 months and continuously updated to 2.2 version in 10 months, finally accumulated 55661 downloaded users.
- Designed the database tables and stored data with FMDatabase.
- Implemented the Chart view with JBChartView library, upgraded to premium version by applying in-app purchase function, earning 60 dollars.

Magic Memory (iOS, React Native) [GitHub](#)

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
Maharishi University of Management
Fairfield, IOWA, US

GPA: 3.7/4.0

2017 - 2020

Bachelor's Degree in Computer Technology
Hebei Software Institute
Baoding, Hebei, China

2009 - 2012

