He **Qin**

SOFTWARE ENGINEER · INTERNSHIP

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Education

UCSD (University of California, San Diego)	*La Jolla, U.S.*
M.S. IN COMPUTER SCIENCE AND ENGINEERING	*Sep. 2017 - Expected Jan. 2019*
SJTU (Shanghai Jiao Tong University)	*Shanghai, China*
B.S. IN PHYSICS, B.E. IN COMPUTER SCIENCE	*Sep. 2012 - Jun. 2017*

Computer Science GPA: 3.63/4.3 | Physics GPA: 3.84/4.3

Publication

Learning Python, 5Ed (Chinese Version) — *China Machine Press*

FIRST TRANSLATOR — *Expected 2018*

- Chinese version of the popular *Learning Python, 5Ed*.

Internship Experience

SAP China Labs, Shanghai Site — *Shanghai, China*

DJANGO(PYTHON), IONIC, MATERIAL DESIGN, WECHAT BE, HTML5, CSS — *Jun. 2016 - Nov. 2016*

- Participated and organized the AI Assistant Over ERP innovation project. Helped designing the architecture of the system. Built the chart-rendering component and helped integrating the NLP engine with SAP Anywhere ERP system.
- Organized and prepared the "Come and Code" Programming Share Lecture. Presented Motion Graphics and Processing Programming.
- Prototyped two POCs of the Company Outing Management System and BuyItTogether app using techniques like Django Restful, Angularjs, and Material Design.

GLow Inc. — *Shanghai, China*

ANDROID(JAVA), ANDROIDSTUDIO — *Jan. 2016 - Mar. 2016*

- Implemented customized promotion card UI widgets for Baby app under supervision. Added loggings function for the app.
- Finished Google Android training and Google Design Guideline during internship.

Ericsson China, BoLTE — *Shanghai, China*

DJANGO(PYTHON), NODEJS, MYSQL, HTML5, CSS — *Mar. 2015 - Dec. 2015*

- Completed a prototype for a Network Slicing concept based on Node.js and maintaining WebSocket communication functions with supervision.
- Implemented WPST Log Visualization System, which was based on a Django framework that integrated with MySQL under supervision, and also supported editing and inquiring.

Project Experience

McGill Univ. Physics Online Quiz Website — *Shanghai, China*

DJANGO(PYTHON), APACHE, POSTGRESQL, MATERIALIZECSS — *Mar. 2017 - Jun. 2017*

- Designed, implemented and deployed a complete online quiz website for McGill University Physics Department, powering a 500-student class.
- Deployed the whole website on VPS with Apache and PostgreSQL as the http-server and database. This was a personal project as well as the undergraduate thesis for my CS degree.

TrackLabel, Android App — *Shanghai, China*

ANDROID(JAVA), ANDROIDSTUDIO, AMAP PLUGIN — *Mar. 2016 - Jun. 2016*

- Wrote a complete Android App. Implemented Bluetooth communication feature that scanned the paired devices and found a missing nearby smart phone by ringing through Bluetooth control.
- Integrated fully-functioning AMap API with GPS location. The app can record last Bluetooth detected locations for paired devices, which helps users to find missing devices. Followed best practices in Android Marshmallow with standard Google Material Design UI.

GE AWS Cloud Control, Web UI Prototype — *Shanghai, China*

ANGULAR.JS, HTML5, CSS — *Jan. 2016 - Feb. 2016*

- Applied Grunt-built yeoman Angular.js framework. Created customized UI widgets and responsive CSS animation.
- Implemented two-way binding of Angular.js for rendering policy instead of traditional JQuery way, which effectively improved the performance.