

# He Qin

SOFTWARE DEVELOPMENT ENGINEER

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## Education

### University of California, San Diego

M.S. IN COMPUTER SCIENCE AND ENGINEERING

Computer Science GPA: 3.88/4.0

La Jolla, U.S.

Sep. 2017 - Expected 2019

### Shanghai Jiao Tong University

B.S. IN PHYSICS, B.E. IN COMPUTER SCIENCE

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

Shanghai, China

Sep. 2012 - Jun. 2017

## Skills

**Language / Framework** Python, JAVA, Spring Boot, Django, JavaScript, Node.js, Android, gRPC, Angular.js, MySQL, MongoDB

**Tools** IntelliJ, PyCharm, AndroidStudio, Atom, Postman, MongoDB Compass, Maven, pip, npm

## Publication

### Learning Python, 5Ed (Chinese Version)

China Machine Press

FIRST TRANSLATOR

Expected 2018

- Translated 32 out of 41 chapters. Revised the whole book for 3 rounds.

## Internship Experience

### Adobe

San Jose, U.S.

SPRING BOOT, JAVA, MICROSERVICE, MONGODB, POSTMAN

Jun. 2018 - Present

- Working on Adobe Campaign Spring Boot microservice. Wrote a scheduler to coordinate Spring instances on Ethos(Adobe microservice host platform).
- Completed the test coverage with 4000+ lines of test codes. Introduce Project-Lombok to reduce redundancy in DTO code.
- Implementing a Python microservice to serve Spark query jobs.

### SAP

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 the "Come and Code" Programming Share Talk. Presented Motion Graphics and Processing Programming.
- Prototyped two POCs of Team-building System and BuyItTogether app using Django Restful, Angular.js, 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.

### Ericsson

Shanghai, China

DJANGO(PYTHON), NODEJS, MYSQL, HTML5, CSS

Mar. 2015 - Dec. 2015

- Completed PoC for Network Slicing based on Node.js WebSocket communication.
- Implemented WPST Log Visualization System using Django with MySQL DB, which supported editing and inquiring.

## Project Experience

### McGill Univ. Physics Online Quiz Website

Shanghai, China

DJANGO(PYTHON), APACHE, POSTGRES SQL, MATERIALIZE CSS

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.