He Qin

SOFTWARE DEVELOPMENT ENGINEER

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Education

University of California, San Diego *La Jolla, U.S.*
M.S. IN COMPUTER SCIENCE AND ENGINEERING *Sep. 2017 - Expected 2019*
Computer Science GPA: 3.88/4.0

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

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 consume data from Spark pipeline.

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, 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.