Qinmao (Fred) Zhang

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GitHub: https://github.com/fredzqm
Portfolio website: https://fredzqm.github.io

Objective: Seeking a software engineering full-time position.

Education: ***B. S. in Software Engineering, Computer Science and Computer Engineering***

Rose-Hulman Institute of Technology, Terre Haute, IN **May 2018**

Minors: Math and Data Science *Major GPA—**4.0/4.0***

Status: *Senior*

Skills:
- Programming in Java, C, C++, C#, Python, Typescript, Ruby and etc.
- Big fan of Hadoop. Experience in Pig, Hive, Sqoop, Zookeeper, Solr, Ozzie, etc.
- Application deployment with Docker
- Database knowledge in MySQL, MongoDB, and Firebase
- Android and Chrome extension development
- Web design experience with Angular, React, Spring Boot and ASP.NET

Experience: ***Software Development Intern*** June - Aug, 2017

Groupon, Seattle, WA
- Design and update MySQL database to support additional data
- Implement and document new HTTP endpoints for API service dependency deprecation.
- Communicate with external team to coordinate the requirement of the new workflow.
- Plan and deploy the data migration in production server with emergency rollback plans

Android Developer June - Aug, 2016

Android Development Course, Rose-Hulman, Terre Haute, IN
- Designed and built Jobee, an Android app designed for recruiters to collect resumes
- Researched and integrated QR Code and Firebase Cloud Messaging with the app
- Source codes and demo video available at https://github.com/fredzqm/jobee

Teaching Assistant Nov 2015 - present

Computer Science Department, Rose-Hulman, Terre Haute, IN
- Graded for Theory of Computation (CSSE474), advanced algorithm analysis (CSSE473), Operating System (CSSE332), Data structure and algorithm (CSSE230)
- Provided detailed comments feedback and helped students through e-mail and Piazza

Undergraduate Researcher Nov 2015 – Jan 2017

Directive research project, Mathematics Department, Rose-Hulman, Terre Haute, IN
- Researched and implemented Parker–Sochacki method (PSM) algorithm in MATLAB
- Applied the developed algorithm to tackle delayed differential equation problems
- Source codes and documentation available at https://github.com/fredzqm/dPSM

Activities: Eta Kappa Nu (HKN), IEEE national honor society
Alpha Lambda Delta (ALD), National Freshman Honor Society
Webmaster of International Student Association (ISA)

Honors: Certificate of Distinction in American Mathematics Competition, 2014
Fourth place in American Chemistry Society Indiana Scholarship Examination
Third place in Alfred R. Schmidt Freshman Mathematics Competition