

GUANGLEI DAI

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QUALIFICATIONS

Fullstack Software Engineer Rich experiences in interpreting ideas to software design for scalable web and mobile frameworks.

Expertise in structural design Dedicated to object-oriented design patterns and modern software development methodology.

Great trouble shooting skills Strong ability in analyzing code and debugging with dump and server logs.

EDUCATIONS

Master of Engineering, McGill University Montreal, Canada *Sep. 2011 - Dec. 2013*

Major: Electrical and Computer Engineering **GPA: 3.85/4.00**

Awards: Graduate Excel Fellowship(Two times)

Bachelor of Science, Shanghai JiaoTong University Shanghai, China *Sep. 2007 - Jun. 2011*

Major: Electrical and Computer Engineering

TECHNICAL TOOLS

Programming: Java, Ruby, Ruby on Rails, Objective C, Xcode, Android Studio, C/C++, SQL, ReactJS, React-Flux, Javascript, JQuery, AJAX, REST API, PHP, HTML, CSS, Git, Matlab, \LaTeX

Operating Systems: OS X, Linux, Windows

WORKING EXPERIENCES

FullStack Software Engineer—Fans Entertainment Inc.(Acquired), Montreal, Canada *Mar. 2014 - Present*

- Designed and implemented a well-known responsive and scalable venue management framework from Server BackEnd modeling, FrontEnd management software to IOS framework and Android library.
- Created real-time guest service platform within a mobile framework from scratches, serving National hockey league venues, Formula One Games and commercial shows. Users count range from 25,000 - 50,000 per event.
- Integrated customizable push notification service into a framework, sending messages to more than 100,000 mobile devices per event.
- Implemented major social medias and third-party's authentications, authorizations and content-fetching.
- Joined the start-up when it had only five developers.
- Stepped in on 3 projects that were running behind schedule and shipped them on-time.

Software Engineer—Quebec Centre For Biodiversity Science, Montreal, Canada *Jan. 2012 - Jan. 2014*

- Refactored database structure to follow object-oriented design.
- Created mechanisms to detect spamming information and block harmful data.

Research Assistant—McGill University, Montreal, Canada *Sep. 2011 - Dec. 2013*

- Improved the performance of wireless relay networks by employing supervised learning algorithms, which overcomes the limitation of conventional differential detection employed in multi-relay wireless networks over fast-fading environments.
- Implement and simulate the proposed schemes with **C** and Matlab. The proposed scheme outperforms existing technology significantly.

Mobile Developer Intern—Zhongshu Health-Tech Limited, Shanghai, China *Jan. 2010 - May, 2011*

- Developed portable blogger in JavaME.

LANGUAGES

English & Chinese(fluent), French (Working Proficiency)