

Minh Le

ANDROID DEVELOPER · ANDROID ENTHUSIAST · MOBILE NETWORK RESEARCHER

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Summary

A senior software engineer enthusiastic about Android. 5+ year experience in Android and 8+ years in Java for back-end, front-end web services and apps. Passionate about mobile apps on Android and iOS, Object-Oriented Programming, design patterns and software optimization. High motivated and always eager to learn new programming languages, technologies and tools.

Work Experience

Utah State University

Logan, Utah

GRADUATE RESEARCH ASSISTANT & SOFTWARE ENGINEER

Aug 2015 - May 2018

- Created new inter-group technology on Android to extend communication range of WiFi-Direct apps to infinite distance
- Enhanced distributed algorithm for mobile collaborations to improve remote execution speed (70%) and conserve battery (55%)
- Extended message queue system on Android to dynamically switch executing tasks from edge servers to mobile devices
- Built JavaScript-based execution platform to support mobile cross-platform interactions, implemented on Android, Windows Phone and iOS
- Created Remote Method Invocation (RMI) routing library to reduce development time of network-based Android/iOS apps using JeroMQ and annotation. Obtained high performance on Android and iOS apps with Amazon Web Service

ECE Department

Logan, Utah

SOFTWARE ENGINEER INTERN

May 2017 - Sep 2017

- Developed the controlling system for wheelchair to automatically detect, drive, dock and charge. Implemented system on Ubuntu and Android, hardware interplays through ROS, image processing using Matlab and OpenCV, Android 3D rendering by OpenGL

NSoft Inc

Seoul, South Korea

SOFTWARE TEAM MANAGER

Aug 2012 - Aug 2015

- Led the software team to develop a content curation and publishing system on Android, iOS and web for ebook readers and publishers
- Built load balancing REST services using Java, Spring Framework, JSP, MySQL and Tomcat clusters for high availability and fault tolerance. The services include content and storage management, document conversion and system security
- Developed front-end content curation system and web-based publishing tools using HTML, CSS, JavaScript, JQuery and Bootstrap
- Created web-based ebook viewer using Radium library, customized for 9 publishers in South Korea
- Created ebook management and viewer app on Android. Used by Samsung, KT and Woongjin
- Achieved promotion to Software Team Manager

INRIA Lille

Lille, France

SOFTWARE ENGINEER INTERN

Jan 2012 - Aug 2012

- Improved searching speed in large-scaled heterogeneous database using XPath and Java

IriTech Inc

South Korea

SOFTWARE ENGINEER

Mar 2010 - Jan 2012

- Developed cluster-based SOAP services using Java, Spring Framework and JBoss to wrap up iris recognition function (C++)
- Constructed distributed shared memory on JBoss clusters and load balancing on MySQL clusters to improve template loading and matching
- Developed visual toolkit (C#) to automatically detect memory leaks of C library and improve the accuracy of the matching algorithm to 98%

Education

Utah State University

Logan, UT

PHD, COMPUTER SCIENCE

Aug 2015 - May 2018

- Created mobile RMI library, inter-group technology, improved distributed algorithm and built JavaScript-based execution platform
- Graduate Research & Creative Opportunities Award, Mar 2016 (20%). Published 7 IEEE conference papers, 1 is under reviewed

Konkuk University

Seoul, South Korea

MS, COMPUTER SCIENCE

Mar 2008 - Mar 2010

- Created SensorBridge, a Java-based message-oriented middleware to bridge any software architecture to wireless sensor networks
- Applied successfully SensorBridge to uCity, an inter-city ubiquitous IoT infrastructure in South Korea

Skills

PROGRAMMING LANGUAGES, DATABASES AND PLATFORMS

- Java (8+ years), Android (5+ years), C#, HTML, CSS, JavaScript (3+ years), Spring Framework (3 years), Matlab, C++, OpenCV, OpenGL, iOS, Swift
- MySQL, MongoDB, Linux, Microsoft SQL Server, Jersey, JQuery and Message Queue Systems