

MINH LE

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EDUCATION

Utah State University PhD Computer Science	<i>2015-Now</i>
Konkuk University Masters Computer Science	<i>2008-2010</i>
Hanoi University of Technology Bachelors Computer Science	<i>2001-2006</i>

PROGRAMMING SKILLS

Programming Languages	Java & C# (expert); HTML, JavaScript, MatLab, C++ (proficient) OpenCV, OpenGL (Android), PHP, ASP.NET, ROS.
Platforms & Databases	Android & MySQL (expert); Linux, Windows Phone, MS-SQL Server (proficient)
Software & Tools	Android Studio, Eclipse, Visual Studio, SharePoint Services, Spring Framework, Windows Workflow

EXPERIENCE

NSoft Inc <i>Web and Mobile Developer</i>	Aug 2012 - Aug 2015
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- Developed a curation and publishing system for eBook-Reader community.
- Developed high performance back-end REST services including content and storage management, document conversion and system security for web and mobile applications.
- Developed front-end interactive web, Android and Windows Phone applications.
- **Techniques:** Java, C#, JSP, HTML5, JavaScript, JQuery, MySQL, Spring Framework, Android, ASP.

IriTech Inc <i>Enterprise Software Developer</i>	Jun 2010 - Jan 2012
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- Designed and developed cluster-based SOAP web services wrapping iris recognition library to enable matching and security services for mobile and web applications.
- Developed distributed shared memory on JBoss clusters and load balancing on MySQL clusters to substantially improve template loading and comparing processes.
- Developed visual toolkit to automatically detect memory leaks of the matching library (100%) and help evaluating the correctness of the implemented algorithms up to 98%.
- **Techniques:** Java, C#, C++, SOAP, Web Services, JBoss, MySQL, Android.

FPT Information System <i>Software Integration Engineer</i>	Sep 2007 - Mar 2008
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- Developed integrated SharePoint web portals for governmental agencies.
- Built automatic converting tools to migrate and synchronize data from Oracle DB to Microsoft SQL Server and Business Intelligence tools which significantly speedup report generation.
- **Techniques:** C#, SharePoint, Windows Workflow, Microsoft SQL Server, Oracle DB.

FPT Software

Aug 2005 - Sep 2007

Mobile Developer

- Participated in the Task-force team to propose solutions and solve difficult problems in the projects.
- Developed and maintained 6 outsourcing projects.
- **Techniques:** C#, VB.NET, Windows CE, SQLCE, Delphi, ASP, PHP.

RESEARCH EXPERIENCE

Utah State University

Aug 2015 - Now

Advanced Software System Lab - Mobile Distributed Systems

- Developed the Wheelchair Automatic System to detect path and move the wheelchair to the charging dock and back. The system uses HD cameras and interplays with hardware through ROS.
- Developed Mobile Service Market as the trusted mobile service store for the device-to-device networks.
- Designed and developed a Service Market Middleware utilizing Service Market for code offloading and data transmission in device-to-device collaboration. The middleware offers trust remote services based on a selection algorithm which improve performance to 70% and conserve energy to 50%.
- **Techniques:** Java, C#, JS, MySQL, Android, Windows Phone, OpenCV, OpenGL, MatLab.

Konkuk University

Mar 2008 - Mar 2010

Advanced Grid Computing Lab - Data Middleware and Distributed Systems

- Developed SensorBridge: a system extending Message-oriented middleware to facilitate integration of a ubiquitous system to any wireless sensor networks. SensorBridge is adaptive with most of the sensor types, easy to embedded to web and 3D applications.
- **Techniques:** Java, C#, JSP, HTML5, JavaScript, MySQL.

ACHIEVEMENTS

USU Graduate Research and Creative Opportunities	Spring 2016
Marie Curie Scholarship	2012
BK21 Scholarship	2008-2010
Microsoft Certified Application Developer	2008
Bronze Prizes in National Mathematical Olympiads	2001 & 2002

PUBLICATIONS (6/10)

- **Minh Le**, Stephen W. Clyde. *JSReX: An Efficient JavaScript-based Middleware for Multi-platform Mobile Peer-to-Peer Networks*. iiWAS 2017
- Zheng Song, **Minh Le**, Young-Woo Kwon, Eli Tilevich. *Extemporaneous Micro-Mobile Service Execution Without Code Sharing*. HotPOST 2017
- **Minh Le**, Young-Woo Kwon. *Enabling Flexible and Efficient Remote Execution in Opportunistic Networks through Message-Oriented Middleware*. COMPSAC 2017
- **Minh Le**, Zheng Song, Eli Tilevich, Young-Woo Kwon, *Reliable and Efficient Mobile Edge Computing in Highly Dynamic and Volatile Environments*, FMEC 2017
- **Minh Le**, Young-Woo Kwon, *Utilizing Nearby Computing Resources for Resource-Limited Mobile Devices*, SAC 2017
- Daehyeok Mun, **Minh Le**, Young-Woo Kwon, *An Assessment of Internet of Things Protocols for Resource-Constrained Applications*, COMPSAC 2016