

Jonggyu Daniel Lee

lee.jonggyu@gmail.com | www.jonggyulee.com | 201.500.7879 | 712 Sun Valley Way, Florham Park, NJ 07932

PROFILE

Experienced software engineer with expertise in project management, user-centered design and usability, and 7 years of experience developing and shipping desktop applications and mobile device software.

EDUCATION

Carnegie Mellon University. Pittsburgh, PA *Aug 2009*
Master of Human-Computer Interaction

Seoul National University. Seoul, Korea *Feb 2001*
Bachelor of Science, Electrical Engineering

WORK EXPERIENCE

Senior Software Engineer (Technical Product Manager)

LG Electronics, Technical Account Management. Morristown, NJ *Jan 2010 - Present*

Understand and document mobile provider/market requirements and user needs. Lead development and UX team in defining UI scenarios and feature specifications for Android and BREW mobile phones.

Review development progress, provide feedback on software design and features, identify and prioritize development risks and collaborate with development team to resolve issues. Communicate and negotiate feature requirements and technical issues with client.

Software Development Engineer in Test

Microsoft Korea, Office Development Team. Seoul, Korea *May 2004 - June 2008*

Successfully tested and shipped multiple Office applications for Microsoft Office 2007 and Office 2010, including Word, Outlook and SharePoint. Responsibilities included requirements analysis, test plan and test case documentation, functionality and usability testing, and automation test development.

Successfully planned and contributed to several multi-month projects including Search improvement in Outlook, East Asian contact/calendar feature design and SharePoint workflow performance analysis. Effectively collaborated with program managers, developers and external teams on feature specifications, and prioritizing and escalating critical issues.

Software Engineer

Appeal Telecom, Production Engineering Team. Icheon, Korea *Apr 2001 - Apr 2004*

Designed and developed content management software and device software upgrade tools for Motorola mobile phones in C++ using MFC and Windows APIs. Led software design and implementation, conducted code review, and verified compliance with specifications, market requirements and user needs.

EDUCATIONAL PROJECTS

Portfolio of user experience projects from Carnegie Mellon HCI Masters program can be found at www.jonggyulee.com

Technical Lead | Omnyx Digital Pathology System *Jan - Aug 2009*

Participated in a 6-person group project conducting user research, designing and developing a high-fidelity prototype for the Omnyx digital pathology software.

Led contextual interviews, observations and usability tests with pathologists and clinical staff. Analyzed and documented user scenarios, workflows and user needs.

Led the prototype development from paper prototypes to HTML prototypes, and to a final prototype using Expression Blend and C#. Highly contributed to designing features and the user interface. Led documentation of feature specifications delivered to Omnyx developers for implementing the design.

User Experience Design Projects *Aug 2008 - Aug 2009*

Participated in nine UX design projects including mobile device application, desktop software, website design and health service design projects. Conducted user research, created research models and personas, conducted brainstorming and design sessions, produced design deliverables in forms of wireframes, video sketches and specification documents and developed prototypes using Flash, HTML and JavaScript.

UX / Usability Methods

Contextual Inquiry

Rapid Prototyping

Personas

Needs / Concept Validation

Think-aloud Protocol

Heuristic Evaluation

Cognitive Walkthrough

Cognitive Modeling

Development Languages / Tools

C++, C#, Objective-C, Java

Visual Studio, Expression Blend

XHTML, CSS, JavaScript

Adobe Flex, ActionScript

Design Tools

Adobe Illustrator

Adobe Photoshop

Adobe Flash

OmniGraffle

Languages

English - Fluent

Korean - Fluent