

Jonggyu Daniel Lee

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PROFILE

Experienced software engineer with expertise in user-centered design and usability, proven abilities initiating and driving development plans, 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

EDUCATIONAL PROJECTS

Portfolio of User Experience projects can be found at www.jonggyulee.com

Technical Lead | Omnyx Digital Pathology System *Spring-Summer 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 *Fall 2008 - Spring 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.

WORK EXPERIENCE

Senior Software Engineer

LG MobileComm USA, Buyer Approval Engineering Group. Morristown, NJ *Jan 2010 - Present*

Led UI integration and development planning with external partners for a v1 project developing social networking features for a BREW mobile phone. Collaborated with UX designers and product managers to consolidate and finalize UI scenarios for integrating social networking features with the existing phone UI.

Led the UI review/approval process with client for an Android phone. Reviewed UI issues and feedback from client, escalated issues and proposed UI changes to R&D. Reviewed requirements and planned multiple v1 features on Android devices including contacts sync, exchange directory and calendar applications.

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 requirement analysis, functionality and usability testing. Led the automation test development by designing the workflow automation test framework and developing automation test libraries for Korean features in C++ and C# using .NET Framework.

Successfully planned and executed several multi-month projects such as Search improvement in Outlook, East Asian name/address/calendar feature design and Approval workflow performance analysis. Effectively collaborated with program managers, developers and external teams by prioritizing and escalating critical issues, and providing design suggestions.

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.

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