RESEARCH STATEMENT
The goal of my research in Human Computer Interaction (HCI) is to provide users with always-available access to information through wearable/mobile technology.

EDUCATION
09/2010 – Present  PhD Student, Computer Science
University of Maryland, College Park, USA
Advisor: Dr. Leah Findlater
Research Interests: Wearable/Mobile Technology, Natural User Interaction, Inclusive Design

03/2006 – 02/2010  B.S., Computer Science & Engineering (Cum Laude)
Ewha Woman’s University, Seoul, South Korea

AWARD AND SCHOLARSHIP
2013  HCIL Conference Travel Award
HCIL lab, University of Maryland, College Park, USA

2013  Gannon Travel Award
University of Maryland, College Park, USA

Fall 2010 – Spring 2012  Dean’s Fellowship
University of Maryland, College Park, USA

Spring 2009  Future Fellowship
Ewha Woman’s University, Seoul, South Korea

Fall 2006 – Fall 2009  Dean’s List
Ewha Woman’s University, Seoul, South Korea

Spring 2008, Fall 2008, Fall 2009  Ewha’s Scholarship
Ewha Woman’s University, Seoul, South Korea

RESEARCH EXPERIENCE
05/2012 – Present  Graduate Research Assistant
University of Maryland, College Park, USA
Advisor: Dr. Leah Findlater
Projects: End-user gesture customization, gesture sonification, accessible on-body interaction for visually impaired users, text-reading guidance with finger-mounted camera

05/2012 – 07/2012  Graduate Research Assistant
University of Maryland, College Park, USA
Advisor: Dr. Don Perlis
Project: Self-learning robot via meta cognitive loops

07/2009 – 01/2010  Undergraduate Research Assistant
Undergraduate Research Project funded by Korea Foundation for the Advancement of Science and Creativity, South Korea
Project: Secure Protocol comparing similarity of two DNA sequences using RSA algorithms.

07/2009 – 09/2009  Undergraduate Research Assistant
WATCH21 (Women’s Academy for Technology Changer in the 21 century) supported by WiTeck (Women in Science Engineering and Technology in Korea)
Project: Minimum search cost for channel navigation in IPTV

12/2008 – 02/2009  Undergraduate Research Assistant
Ewha Woman’s University, Seoul, South Korea
Advisor: Hyokyung Bahn
Project: Efficient data storage system using NVRAM, PRAM

SELECTED PUBLICATIONS


TEACHING
Summer 2012  CompSciConnect Summer School
    Computer Science, University of Maryland, College Park, USA
Spring 2012  CMSC131 Object-oriented Programming I
    Computer Science, University of Maryland, College Park, USA
Fall 2011  CMSC106 Introduction to C Programming
    Computer Science, University of Maryland, College Park, USA
Summer 2011  CMSC216 Introduction to Computer Systems
    Computer Science, University of Maryland, College Park, USA
Spring 2011  CMSC250 Discrete Structures
    Computer Science, University of Maryland, College Park, USA
Fall 2010  CMSC102 Introduction to Information Technology
    Computer Science, University of Maryland, College Park, USA

TECHNICAL SKILLS
LANGUAGE: C/C++, C#, Java, Python, MATLAB, HTML
MOBILE PLATFORMS: Android, iOS
OPERATING SYSTEMS: Unix, Linux, Microsoft Windows XP, MacOS
DATABASES: MySQL, PostgreSQL
PROTOTYPING: Arduino

RELEVANT GRADUATE COURSEWORK
Computational Geometry, Link Mining, Scientific Computing, Machine Learning, Neural Modeling, Information Visualization, Computational Linguistics, Probabilistic and Graph Data Management, Quantitative Research Methods

SERVICE
Spring, 2012 – Present  Vice President
    Korean Graduate Student Association at University of Maryland, College Park
2014  Student Volunteer
    SIGCHI Conference on Human Factors in Computing Systems (CHI)
May, 2014  Student Volunteer
    HCIL Annual Symposium at University of Maryland, College Park
2013  Student Volunteer
    SIGCHI Conference on Human Factors in Computing Systems (CHI)
May, 2013  Student Volunteer
    HCIL Annual Symposium at University of Maryland, College Park

REFERENCES
Personal references are available upon request.