

# KANIT (HAM) WONGSUPHASAWAT

## CURRICULUM VITAE

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## RESEARCH INTERESTS

Human-Computer Interaction (HCI), Information Visualization, Design Tools, Social Computing, Design Education, Persuasive Technology

## EDUCATION

Starting in Fall 2013 (Considering offers from) **University of Washington or Carnegie Mellon University – Pursuing PhD in Computer Science/Human Computer Interaction**

Sep. 2011- Jun. 2013 **Stanford University – M.S. in Management Science & Engineering**  
Focused in Human-Computer Interaction & Entrepreneurship, Current GPA: 3.99/4.0  
Advisor: Amin Saberi

**Courses:** *(HCI Design)* Intro to HCI, HCI Design Studio, Research Topics in HCI, Visualization, Statistical Methods for Social Science, Designing Digital Media, Creative Gym, Design/Improv, Social Brands, Design Research; *(Business)* Marketing, Strategy in Technology-based Firm, Accounting, Finance, Optimization & Decision Analysis

Jun. 2006 –Feb. 2010 **Chulalongkorn University (Thailand) – B.Eng. Computer Engineering**  
Focused in Computer Science, GPA 3.93/4.00, Valedictorian Gold Medal Honor  
Advisor: Sukree Sinthupinyo

**Courses:** *(Computer Science)* Discrete Math, Data Structure, Algorithms, Software Engineering, Artificial Intelligence, Database, Operating System, Computer Architecture, Network, Graphics; *(Management)* Organization Management, Marketing Principles, Entrepreneurship; *(Art&Design)* Photography, Packaging Design, Design Drawing

## PUBLICATION

Oct. 2012 **Poster:** Wongsuphasawat, K., Gamburg, A., Moraveji, N. (2012) You Can't Force Calm: Designing and Evaluating Respiratory Regulating Interfaces for Calming Technology. ACM UIST 2012. Boston, MA. (Acceptance Rate 41%)

## TECHNICAL REPORT

June. 2009 **Technical Report:** Chuengsatiansup C., Charoensriphngsa, T., Wongsuphasawat, K., Rattana, K., Doungsodsri, P., Buathong, A., Wejwittayaklung, K., Wongsaisuwan, M., Wannasuphoprasit, W. (2009) Plasma-Z: Team Description for Robocup: Small Size League. International Robocup 2009. Graz, Austria.

## WORK EXPERIENCE

Jan. 2012 – Present **Stanford University – Graduate Researcher**

- Working with Professor Scott Klemmer on Peer Assessment System for Massive Online Classroom.

- Worked with Professor Amin Saberi to research on Online Education; responsible for user interface design and development of Venture-lab.org, the first team-based Massive Online Open Classroom.

[\[HTML/CSS, Javascript, Twitter Bootstrap, Ruby on Rails\]](#) #HCI, #Online Education, #Social, #UI

Jun. 2012 – Sep. 2012 **Google Inc. (Google Research) – Software Engineering Intern**

Worked with Elin Pedersen and Bay Chang in Google Research's HCI group to develop concepts for a social mobile application; designed user interfaces and implemented a fully functional prototype android application.

[\[Java/Android\]](#) #HCI, #Mobile, #Social, #UI, #System

- Aug. 2010 – Apr. 2011 **Thomson Reuters Software – Associate Software Engineer**  
Designed and developed User Interface for Alerting and Monitoring System 1.1, a new system to replace obsoleted TIBCO Hawk for Thomson Reuters Financial Market Data System. [\[Adobe Flex/Actionscript\]](#) #UI, #System
- Mar. 2010 - May 2010 **Singha Corporation (Thailand) - Management Trainee Intern**  
Developed and organized a new cultural event in Nakorn city to support Thai Norah dance culture and increased sales & brand awareness in the region.
- Mar. 2009 - May 2009 **Thomson Reuters Software - Software Engineering Intern**  
Developed Total Test Case Management System for Data Access Control System Quality Assurance Team. [\[VB.NET\]](#) #System

## SELECTED PROJECTS & ACHIEVEMENTS

- Jan. 2012 – Current **Venture-Lab.org – Project-based Massive Online Open Classroom**  
Led the user interfaces design of Venture-lab.org, the first team-based Massive Online Open Classroom. Research on peer evaluation and team dynamic of group works. [\[HTML/CSS, Javascript, Twitter Bootstrap, Ruby On Rails\]](#) #HCI, #Online Education, #Social, #UI
- Apr. - Jun 2012 **Breathwear – Calming User Interface**  
Designed user interfaces for respiratory regulation using visual and auditory guidance; conducted user studies to compare effect of both guidance. (Poster presented at UIST2012) [\[Objective-C, iOS\]](#) #HCI, #CalmingTechnology, #UI, #Mobile
- Oct. 2009 – Feb. 2010 **FaceSpot – Face Detection and Recognition add-on to F-Spot (Winner of Thailand National Software Contest 2010)**  
*Project Leader, Front End Software Engineer* - Face Detection and Recognition add-on to F-Spot, leading open-source photo management software; Enabled F-Spot users to categorize their pictures by Face Recognition feature [\[C#/Mono Framework\]](#) #System, #UI
- Sep. 2007 - Jul. 2009 **Plasma-Z Soccer Robot System (3rd Place of Small-size League - International Robocup 2009)**  
*Computer System Engineer Group Leader*–Developed a multi-agent cooperation and control computer system for highly dynamic soccer robots in Robocup Small Size League. [\[C#, .NET\]](#) #System, #Robotics
- Mar 2008 – May 2008 **Knowshare Project & Stanford Thai Exchange Program 2008 (STEP XII)**  
Created an online academics resource sharing project for Engineering Students  
Qualified as 1 of 7 Thai students to do project and cultural exchange during summer at Stanford University (Admission Rate 5%)
- Mar 2007 - June 2008 **Vidview: Mobile Video Client (Winner of SAMART Innovation Award 2007 / Runner-Up – Thailand ICT Award 2008 / 3rd Place High Performance Award -Accenture Academic Exhibition 2008)**  
*Team Leader*–led development of Mobile application that enabled Online Video Watching in Java-supported cellphone [\[Java, JavaME\]](#) #UI, #Mobile, #System
- 2008 **ACM ICPC Regional Contest 2008** (Association for Computing Machinery: International Collegiate Programming Contest) at KL, Malaysia  
**(Honorable Mention)**  
*Team captain* in Algorithmic problem solving challenge  
[\[C\]](#) #Programming Contest
- 2004-2005 **Thailand Olympiad in Informatics (Bronze Medal of National Competition & Nation Top 10 Finalist 2004, National Top 10 Finalist & Thailand IOI Substitute Representative Candidate in 2005)**  
National-level Algorithmic & Programming Problem Solving challenge  
[\[C\]](#) #Programming Contest

## HONORS & AWARDS

- 2011-2013 **Fulbright Fellowship for Master Degree Studies**
- 2010 **His Majesty the King Bhumibol Undergraduate Scholarship**
- 2009 **HRH the Royal Crown Prince of Thailand Top Engineering Student Medal 2009**
- 2008, 2009 **University President Award**
- 2007 **Engineering Dean's Freshmen Award**

## TEACHING

- Jun. - Sep. 2010 **Entrepreneurship Course Assistant** – Chulalongkorn Undergraduate Business School  
Worked with professor Kavin Asavanant; facilitated teaching and graded assignments
- Jun. - Sep. 2009 **Discrete Mathematics Course Assistant**, Faculty of Engineering, Chulalongkorn University  
Worked with professor Athasit Suralerk; facilitated teaching and produce problem session video tutorial for problem sets.
- Oct 2006 & Oct 2007 **Engineering Entrance Test Tuition Camp at Assumption College** – Lead Lecturer & Project Leader  
Led 3-week tuition for the National Engineering Test at Assumption College.

## SERVICE & OTHER EXTRACURRICULAR ACTIVITIES

- 2012 **ACM Symposium on User Interface Systems and Technology (UIST)** – Student Volunteer
- 2011-2012 **Stanford ACM** - Member
- 2011-2012 **Business Association of Stanford Entrepreneurial Students (BASES)** - Member
- 2011-2012 **Stanford Design Initiative** – Member
- 2010 **Thai Young Philanthropists Network (2010)** – Web & IT Team Head of Social Enterprise Business Plan Competition Team
- 2010 **Capitol Toastmasters Club of Toastmaster International** – Member
- 2010 **Chulalongkorn Business Plan Club** – Member
- 2007-2010 **Chulalongkorn Photographer's club** – Member
- 2009 **Computer Engineering Student Council** – Head of Academic
- 2008-2009 **IEEE Computer Student Society Club** – Club President
- 2008-2009 **Chulalongkorn - Thammasat Annual Soccer Game** – Staff Photographer
- 2007-2009 **Chulalongkorn Engineering Innovator Club** – Plasma-Z Software Group Leader
- 2006 **Solution Guide for Calculus I&II Textbook** - Author
- 2003-2006 **Military Training** – Earned Rank of Sergeant in Royal Thai Army

## SKILLS

**Programming:** Java (SCJP Certified), HTML, CSS/Less/Sass, Javascript, Php, C#, C, Flex/Actionscript, Ruby on Rails, Wordpress, R, Android, git  
**Office Software:** Expert in Word, Excel, Powerpoint and Keynote  
**Graphics:** Photoshop, Illustrator  
**IRB Human Subject Training**

## LANGUAGE

**English & Thai**

**GRE Score:** (Oct 2010) Verbal 740/800, Quant. 800/800, Writing 3.5/6