

KANIT (HAM) WONGSUPHASAWAT

CURRICULUM VITAE

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Address AC101 Paul G Allen Center 185 Stevens Way Seattle, WA 98195

RESEARCH INTERESTS

Designing and Building Interactive Systems for Visual Data Analysis and Presentation.

EDUCATION

- Sep. 2013 - Present **University of Washington–PhD Student in Computer Science & Engineering**
Focused in Human-Computer Interaction & Information Visualization
Advisor: Jeffrey Heer
Courses: Machine Learning
- Sep. 2011- Jun. 2013 **Stanford University – MS in Management Science & Engineering**
Focused in Human-Computer Interaction & Entrepreneurship, GPA: 3.99/4.00
Advisor: Amin Saberi
Courses: *(HCI)* Intro to HCI, HCI Design Studio, Research Topics in HCI, Visualization, Statistical Methods for Social Science *(Design)* Designing Digital Media, Creative Gym, Design/Improv, Social Brands, Design Research; *(Business)* Marketing, Strategy in Tech-based Industry, Accounting, Finance, Entrepreneurial Finance, Optimization & Decision Analysis
- Jun. 2006 - Feb. 2010 **Chulalongkorn University (Thailand) – BEng in Computer Engineering**
Focused in Computer Science, GPA 3.93/4.00, Valedictorian Gold Medal Award
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

WORK EXPERIENCE

- Sep. 2013 - Present **University of Washington, Computer Science & Engineering– Graduate Researcher**
- Working with Prof. Jeff Heer on Interactive System for Visual Analysis
- Jun. 2013 – Sep. 2013 **Tableau Software Inc. – Research Intern**
Worked with Dr.Jock Mackinlay and Tableau’s Visual Analysis Team to prototype an interactive system for visual analysis.
[\[HTML/CSS, Javascript, AngularJS\]](#) #Infoviz, #VisualAnalysis, #HCI, #UI, #System
- Jan. 2012 – Jun. 2012 **Stanford University – Graduate Researcher**
- Working with Prof. Scott Klemmer to develop Peer Assessment System for Massive Online Classroom.
[\[HTML/CSS, Javascript, Python, Flask\]](#) #HCI, #Online Education, #Social, #UI
- Worked with Prof. 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 Dr. Elin Pedersen and Dr. Bay Wei 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

PUBLICATION

- 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

- 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.*

SELECTED PROJECTS & ACHIEVEMENTS

- Jan. 2012 – Dec. 2012 **Venture-Lab.org – Project-based Massive Online Open Classroom**
Led the early 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. 2012 – 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.

SERVICES & 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 Cert.), HTML/CSS, Javascript & Coffee Script, AngularJS, d3.js, Python, Git, R, Ruby on Rails, C, Android, PHP, Wordpress

Design Skills: Rapid Prototyping with Keynote, Photoshop, Illustrator, User Testing, Heuristic Evaluation

Office Software: Expert in Word, Powerpoint and Keynote

IRB Human Subject Training