

# RESUME

## KANIT (HAM) WONGSUPHASAWAT

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### EDUCATION & RESEARCH PROJECTS

#### University of Washington – Ph.D. in Computer Science & Engineering (Sep 2013 – Present, Advised by Jeffrey Heer)

- Focus: **Information Visualization, Human-Computer Interaction**
- Developed **Voyager**<sup>1</sup>: visualization recommendation browser
- Developed **Polestar**: visualization specification tool
- Developed **Vega-lite**: high-level grammar for statistical graphics
- Designed **declarative interaction model for visualization in Vega**<sup>2</sup>

#### Stanford University – M.S. in Management Science & Engineering (Jun 2013, GPA 3.99/4.00, Awarded Fulbright Scholarship)

- Focus: **Human-computer Interaction, Design & Entrepreneurship**
- Research **respiratory regulating UIs for self-calming**<sup>3</sup>
- Research **peer assessment system for massive online classroom**
- Designed UIs for **Venture-lab**, a MOOC platform (now Novoed.org)

#### Chulalongkorn University (Thailand) – B.Eng. Computer Engineering (Feb 2010, GPA 3.93/4.0, Ranked 1<sup>st</sup>/800, Gold Medal & HM the King Scholarship)

- Designed **"FaceSpot"**, **Face Detection & Recognition plugin** for F-Spot  
*Winner of Thailand National Software Contest 2010*
- AI Lead of **"Plasma-Z"** **Multi-agent Soccer Robot Team**  
*3<sup>rd</sup> Place Small-size Soccer League in International Robocup'09*

### INDUSTRY EXPERIENCE

#### Google Research. – Software Engineering Intern (Big Picture Group)

Researched & Developed Visualization Tools (with Dr. Martin Wattenberg)

#### Trifacta Inc. – Software Engineering Intern

Designed & prototyped Intelligent User Interfaces for Data Transformation

#### Tableau Software Inc. – Research Intern (Visual Analysis Team)

Designed & prototyped an initial version of **Voyager**<sup>1</sup> visualization browser (with Dr. Jock Mackinlay)

#### Google Research. - Software Engineering Intern (HCI Group)

Researched & developed a ubiquitous computing software prototype (with Dr. Elin Pedersen)

#### Thomson Reuters Software - Associate Software Engineer

Designed UIs for Alerting and Monitoring System of Thomson Reuters Market Data System

#### Singha Corporation (Thailand) - Management Trainee Intern

#### Thomson Reuters Software - Software Engineering Intern

### SERVICES & ACTIVITIES

[ACM] **ACM UIST Student Volunteer, ACM Member** [UW] **Data Visualization Teaching Assistant, Interactive Systems Seminar Organizer** [Stanford] **BASES Member, Design Initiative Member** [Chula.] **Student Council Academic Head '09, IEEE Computer Chapter President '09, Photographer's club Member, Business Club Member, Robotics Club AI Lead.**

### SKILLS

[Coding] JavaScript, HTML, d3.js, AngularJS, Vega, Python, Java, Git [Data Analysis] R, ggplot, Tableau [Creative Authoring] Sketch, Keynote, OmniGraffle, Photoshop, Illustrator

### REFEREED PUBLICATIONS

#### <sup>1</sup> **Voyager: Exploratory Analysis via Faceted Browsing of Visualization Recommendations**

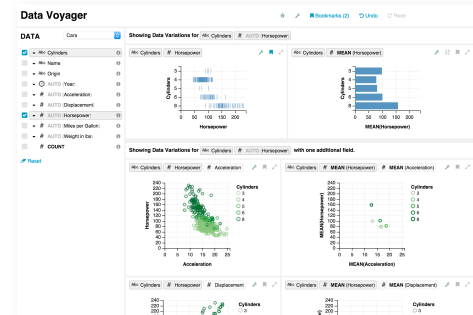
Wongsuphasawat, Moritz, Anand, Mackinlay, Howe, Heer. *IEEE Information Visualization 2015*. (Acceptance Rate 22%)

#### <sup>2</sup> **Declarative Interaction Design for Data Visualization.**

Satyanarayan, Wongsuphasawat, Heer. *ACM User Interface Software and Technology 2014*. (Acceptance Rate 22%)

#### <sup>3</sup> **You Can't Force Calm: Designing and Evaluating Respiratory Regulating Interfaces for Calming Technology.**

Wongsuphasawat, Gamburg, Moraveji. *ACM User Interface Software and Technology (Poster) 2012*. (Acceptance Rate 41%)



Voyager – Visualization Recommendation Browser for Exploratory Analysis



Polestar – Visualization Specification Tool

Jun 2015 – Sep 2015

[HTML, JS, D3.js, Polymer]

Jun 2014 – Sep 2014

[HTML, JS, Python, Scikit-learn, Spark]

Jun 2013 – Sep 2013

[AngularJS, HTML, JS]

Jun 2012 – Sep 2012

[Java/Android]

Aug 2010 – Apr 2011

[Flex/Actionscript]

Mar 2010 - May 2010

Mar 2009 - May 2009