

PURIPANT RUCHIKACHORN

Lecturer
Chulalongkorn University

puripant@cbs.chula.ac.th
puripant.ruchikachorn.com

PROFESSIONAL EXPERIENCE

Lecturer *Jun 2009 – Jul 2010 & July 2016 – Present*

Department of Statistics (Business Information Technology), Chulalongkorn Business School,
Chulalongkorn University, Bangkok, Thailand

Taught courses in computer science on data visualization and visual computing.

CTO and Co-founder *Aug 2013 – Present*

Boonmee Lab Co. Ltd., Bangkok, Thailand

Oversaw and developed user-centered and data-oriented projects, including data journalism pieces for Workpoint TV and ThaiPublica. Other notable projects include [YouPin](#), crowdsourced citizen complaint platform, and knowledge management system for Thailand Creative & Design Center (TCDC), Bank of Thailand Library, and Bangkok City Library.

Research Intern *Jun 2014 – Aug 2014*

IBM Thomas J. Watson Research Center, Yorktown Heights, New York

Developed a tablet user interface for physicians to overview necessary medical information of each clinical visit with IBM Watson. Wrote and presented a paper in a related workshop.

Research Assistant *Mar 2004 – Sep 2004*

Computer Graphics and Computer Imaging Laboratory,
Department of Computer Engineering, Faculty of Engineering,
Chulalongkorn University, Bangkok, Thailand

Conducted surveys and studies on various medical-related topics such as brain segmentation and biometrics.

Research Intern *Mar 2003 – Jun 2003*

RDC-1: Geographical Information System (GIS),
National Electronics and Computer Technology Center (NECTEC), Bangkok, Thailand

Worked on 3D surface reconstruction from geographical information system (GIS) data of many ancient temples in Ayutthaya historical park (a UNESCO World Heritage Site).

SCHOLARLY SERVICE

PacificVis Poster Co-chair	2018
Symposium on Visualization (SIGGRAPH Asia) Co-chair	2017

EDUCATION

Doctor of Philosophy (Computer Science)

Aug 2010 – May 2016

Visual Analytics and Imaging (VAI) Lab
Department of Computer Science,
Stony Brook University, Stony Brook, NY

Dissertation: visualizations as intermediate authoring apparatuses for multidimensional data. As painting canvases, visualizations can be used as input to generate and edit a dataset. As key frames, visualizations can be animated to demonstrate themselves by analogy. As storyboard scenes, visualizations are narrative instruments to aid data journalism and tell data stories.

Master of Science (Computer Science)

Oct 2006 – Sep 2008

User Interface Research Group (Igarashi Laboratory),
Department of Computer Science, Graduate School of Information Science and Technology,
The University of Tokyo, Tokyo, Japan

Thesis: proposed a sketch-based rapid model construction with interactive physical simulation to design knots (self-occluded 3D configurations of linear deformable objects) in the same way they are drawn on paper.

Bachelor of Engineering (Computer Engineering)

Jun 2000 – Mar 2004

Computer Graphics and Computer Imaging (CGCI) Laboratory,
Department of Computer Engineering, Faculty of Engineering,
Chulalongkorn University, Bangkok, Thailand

Senior Project: surveyed the possibility of using hand geometry as a biometric and built a peg-free verification system from off-the-shelf hardware such as commercial flatbed scanner.

AWARDS

The International Fulbright Science & Technology Award

Aug 2010 – Jul 2013

The Japanese Government (Monbukagakusho—MEXT) Scholarship

Apr 2006 – Sep 2008

Gold Medal in Computer Engineering and King Bhumibol Prize in Engineering

Mar 2004

SELECTED PUBLICATIONS

P. Ruchikachorn and K. Mueller, “Learning Visualizations by Analogy: Promoting Visual Literacy through Visualization Morphing,” *IEEE Transactions on Visualization and Computer Graphics*, vol. 21, no. 9, 2015.

P. Ruchikachorn, J. J. Liang, M. Devarakonda, and K. Mueller, “Watson-Aided Non-Linear Problem-Oriented Clinical Visit Preparation on Tablet Computer,” *Visualizing Electronic Health Record Data (EHRVis)*, *IEEE VIS 2014 Workshop*, Paris, France, 9 November 2014.

B. Wang*, P. Ruchikachorn*, and K. Mueller, “SketchPad^{N-D}: WYDIWYG Sculpting and Editing in High-Dimensional Space,” *IEEE Transactions on Visualization and Computer Graphics (Proceedings Scientific Visualization / Information Visualization 2013)*, vol. 19, no. 12, Dec. 2013.

L.D. Xu, W. Viriyasitavat, P. Ruchikachorn, and A. Martin, “Using Propositional Logic for Requirements Verification of Service Workflow,” *IEEE Transactions on Industrial Informatics*, vol.8, no. 3, August 2012.