

Phuthipong Bovornkeeratiroj

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EDUCATION

University of Massachusetts Amherst

Ph.D. Student in Computer Science

Aug 2017 - Current

Advisor: Prashant Shenoy

Chulalongkorn University, Thailand

M.S. in Computer Science

Aug 2013 – Aug 2015

Advisor: Kultida Rojviboonchai

Thesis Title: Boat Arrival Time Prediction System using Mobile Phone Crowdsourcing

Assumption University, Thailand

B.S. in Computer Science

June 2007 – Oct 2010

Advisor: Tapanan Yeophantong

Senior Project: A Mobile Recommender System using Context to Suggest Places to Go in Thailand

PUBLICATIONS

- Ameer Trivedi, **Phuthipong Bovornkeeratiroj**, Joseph Breda, Prashant Shenoy, Jay Taneja, David Irwin. "Phone-based Ambient Temperature Sensing Using Opportunistic Crowdsensing and Machine Learning.". Accepted to IGSC, 2020
- **Phuthipong Bovornkeeratiroj**, Srinivasan Iyengar, Stephen Lee, David Irwin, Prashant Shenoy. "RepEL: A Utility-preserving Privacy System for IoT-based Energy Meters". 2020 IEEE/ACM Fifth International Conference on Internet-of-Things Design and Implementation (IoTDI)
- Joseph Breda, Ameer Trivedi, Chulabhaya Wijesundara, **Phuthipong Bovornkeeratiroj**, David Irwin, Prashant Shenoy, and Jay Taneja. "Hot or Not: Leveraging Mobile Devices for Ubiquitous Temperature Sensing". The 6th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation (BuildSys 2019). ACM, 2019. (To appear)
- Dong Chen, **Phuthipong Bovornkeeratiroj**, David Irwin, and Prashant Shenoy. "Private memoirs of IoT devices: Safeguarding user privacy in the IoT era." 38th International Conference on Distributed Computing Systems (ICDCS), IEEE, 2018.
- **Phuthipong Bovornkeeratiroj**, Kulit Na Nakorn, and Kultida Rojviboonchai. "Challenges in Implementing Crowdsourcing on automatic real-time transit tracking system." Communications and Information Technologies (ISCIT), 2015 15th International Symposium on. IEEE, 2015.
- **Phuthipong Bovornkeeratiroj**, Kulit Na Nakorn, and Kultida Rojviboonchai. "Boat arrival time prediction system using mobile phone sensing." Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), 2015 12th International Conference on. IEEE, 2015.

WORK EXPERIENCE

Veea., Inc.

Software Development Intern

Summer 2018 and 2019

New York City, US

- Developed an Indoor Localization System using WiFi RTT (802.11mc) and WiFi Fingerprinting

NEVERSITUP CO., LTD.

Mobile Application Developer

March 2014 – July 2015

Bangkok, Thailand

- Led iOS development team, developed a personal finance application called "Piggipo"

I AM CONSULTING CO., LTD.

Mobile Application Developer

July 2012 – October 2013

Bangkok, Thailand

- Developed enterprise mobile applications (iOS and Android) for SAP clients.