

PRIMAL PAPPACHAN

Irvine, CA ◊ Tel: 443-310-9433

<http://www.ics.uci.edu/~primal/> ◊ primal@uci.edu

EDUCATION

University of California, Irvine (UCI)

Current

Ph.D. in Computer Science

University of Maryland, Baltimore County (UMBC)

July 2014

M.S. in Computer Science

Thesis: A Semantic and Collaborative Approach to Community Health-care in Underserved Areas

GPA: 3.97/4.0

PUBLICATIONS

P. Pappachan, R. Yus, P. K. Das, S. Mehrotra, T. Finin, and A. Joshi, *Building a Mobile Applications Knowledge Base for the Linked Data Cloud*, in 1st International Workshop on Mobile Deployment of Semantic Technologies (MoDeST 2015), co-located with the 14th International Semantic Web Conference (ISWC 2015), Bethlehem, PA (USA), 2015.

P. Pappachan, R. Yus, P. K. Das, S. Mehrotra, T. Finin, and A. Joshi, *Mobipedia: Mobile Applications Linked Data*, in 14th International Semantic Web Conference (ISWC 2015), Bethlehem, PA (USA), 2015.

R. Yus, and **P. Pappachan**, *Are Apps Going Semantic? A Systematic Review of Semantic Mobile Applications*, in 1st International Workshop on Mobile Deployment of Semantic Technologies (MoDeST 2015), co-located with the 14th International Semantic Web Conference (ISWC 2015), Bethlehem, PA (USA), 2015.

R. Yus, **P. Pappachan**, P. K. Das, T. Finin, A. Joshi, and E. Mena, *Semantics for Privacy and Shared Context*, in Second International Workshop on Society, Privacy and the Semantic Web Policy and Technology (PrivOn 2014), Riva del Garda (Italy), 2014.

P. Pappachan, R. Yus, A. Joshi, and T. Finin, *Rafiki: A Semantic and Collaborative Approach to Community Health-care in Underserved Areas*, in 10th IEEE International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2014), Miami, Florida (USA), 2014.

P. Pappachan, R. Yus, P. K. Das, T. Finin, E. Mena, and A. Joshi, *A Semantic Context-Aware Privacy Model for FaceBlock*, in Second International Workshop on Society, Privacy and the Semantic Web Policy and Technology (PrivOn 2014), Riva del Garda (Italy), 2014.

R. Yus, **P. Pappachan**, P. K. Das, E. Mena, A. Joshi, and T. Finin, *FaceBlock: Privacy-Aware Pictures for Google Glass*, in 12th Annual International Conference on Mobile Systems, Applications, and Services (MobiSys 2014), Bretton Woods, New Hampshire (USA), 2014.

EXPERIENCE

Information Systems Group, UCI

Sept 2014 - Current

Adviser: Dr. Sharad Mehrotra

Irvine, CA

Graduate Research Assistant

Ebiquity Lab, UMBC
Dr. Anupam Joshi
Graduate Research Assistant

Jan 2013 - Aug 2014
Baltimore, MD

Picwell
Summer Software Engineer

May 2013 - August 2013

UMBC CSEE Dept.
Graduate Assistant

August 2012 - Jan 2013

FOSSEE, IIT Bombay
Research Assistant & Developer

July 2011 - July 2012

Google Summer of Code
Student Developer

May 2011 - August 2011

PROJECTS

Mobipedia: Mobile Applications Knowledge Base for the Linked Data Cloud *Active*
Mobipedia is an evolving Knowledge Base with information about mobile applications (apps). In the current version of Mobipedia we focused on Android apps and Mobipedia currently contains information of more than one million Android apps including: application category, meta-data (author, reviews, rating, released), permissions requested (in Android), similar apps, etc.
[Website] [Publication]

Face-block: Privacy-aware Pictures for Google Glass *Active*
FaceBlock takes regular pictures taken by your smartphone or Google Glass as input and converts them into Privacy-Aware Pictures. Through sharing of semantic context-aware privacy policies, users can choose whether or not to be included in pictures taken by others.
[Website] [Publication]

Rafiki *Active*
Rafiki is a system for mobile and wearable computing devices which assists CHWs in decision making and facilitates collaboration among them. It can infer possible diseases and treatments by representing the diseases, their symptoms, and patient context in OWL ontologies and by reasoning over this model.
[Publication]

Triveni *Active*
Triveni is a system for cross-device context discovery and enrichment that can create and manage contextual groups of users of similar context by using wireless ad hoc networks. It represents context model using OWL ontologies and reasons over this model to infer additional information and detects and resolves ambiguities, inconsistencies that arise from incorrect or misinterpreted data.
[Publication] [Presentation]

Gossip based aggregation on a distributed system using Erlang *Fall 2012*
Implemented a distributed system based on gossip protocol and carrying out various computational tasks such as max, min, average and median of data at each node. This system can be used for faster ($O(\log n)$) dissemination of information in a distributed system.
[Projects url]

Indoor Location Tagging Engine for Android *Summer 2011*
Developed tagin: an open source, location tagging engine, which can be used to create indoor, location-based services and applications. In collaboration with developers from Komodo Open Lab, Canada

and University of Illinois, Urbana-Champaign.
[Project url]

TECHNICAL STRENGTHS

Computer Languages	Java, Python
Protocols & APIs	XML, JSON, REST, OWLAPI
Frameworks	Android, Django, Flask
Databases	MySQL, mongoDB
Web Technologies & Tools	Apache Web Server, Amazon Web Services, Git
Authoring	L ^A T _E X, L ^A T _E X Beamer, Markdown

TALKS

- *CollaborateCom*, Rafiki: A Semantic and Collaborative to Community health-care in Underserved areas. Miami, Florida. October 25, 2014
- *PrivOn*, A Semantic Context-aware Privacy Model for FaceBlock, Riva Del Garda, Italy. October 19, 2014
- *PyCon Asia Pacific*, FOSSEE: Pythonizing the Indian Engineering Education, Singapore. June 8, 2012
- *DroidCon India*, tagin!: Indoor Location Tagging Engine for Android, Bengaluru. November 18, 2011

AWARDS AND HONORS

NSF Travel Grant for ISWC 2014, ISWC 2015

EAI Travel Grant for CollaborateCom 2014

IIT Bombay Travel Grant for Pycon Asia-Pacific 2012

Among top 3% of Stackoverflow users with more than 12,500 reputation