

# VINH NGUYEN

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## EDUCATION

- Wright State University (Sep. 2009 - present)  
PhD student, Computer Science
- University of Technology - Vietnam National University (Sep. 2002 - April 2007)  
Bachelor of Science, Computer Science and Engineering

## RESEARCH INTERESTS

- Semantic Web, Data Integration, Knowledge Discovery in biomedical domain.

## EXPERIENCE

- Summer Intern at National Library of Medicine, NIH (June 2011 - August 2011)  
Worked with Dr. Olivier Bodenreider to integrate several resources leveraging Semantic Web technologies, and then developed a tool for exploring the linked datasets. The tool is used it to help biologists to formulate hypothesis.
- Research Assistant at Kno.e.sis (Sept. 2009 - present)  
Have been working on the NIH funded-project (grant number 1R01HL087795-01A1) to build a semantic solving environment for analyzing *Trypanosoma cruzi* parasite. My work involves in semantic data integration and knowledge discovery.
- Software Engineer (2007 - June 2009)  
Participated on several projects including HP SOA Systinet, Athena Clinic, ExpenseBay.

## PUBLICATIONS

- Vinh Nguyen, Olivier Bodenreider, Todd Minning, Amit Sheth. *The knowledge-driven exploration of integrated biomedical knowledge sources facilitates the generation of new hypotheses*. In the proceedings of Linked Science, 2011.
- Priti P. Parikh, Todd A. Minning, Vinh Nguyen, Sarasi Lalithsena, Amir H. Asiaee, Satya S. Sahoo, Prashant Doshi, Rick Tarleton, and Amit P. Sheth. *A Semantic Problem Solving Environment for Integrative Parasite Research: Identification of Intervention Targets for Trypanosoma cruzi*. PLoS Neglected Tropical Diseases journal, 2011.
- Satya S. Sahoo, Vinh Nguyen, Olivier Bodenreider, Priti Parikh, Todd Minning, Amit P. Sheth. *A Unified Framework for Managing Provenance Information in Translational Research*. BMC Bioinformatics journal, 2011.

## RECENT SUBMISSIONS

- Vinh Nguyen, Ramakanth Kavuluru, Olivier Bodenreider, Amit Sheth. *A Resource-based Discretionary Access Control Model for Linked Datasets*. 9th Extended Semantic Web Conference (ESWC 2012).

## PRESENTATIONS

- Vinh Nguyen, Satya Sahoo, Priti Parikh, Todd Minning, Brent Weatherly, Flora Logan, Amit Sheth, Rick Tarleton. *Biomedical Ontologies for Parasite Research*, poster in ISMB 2010, July 11-13 2010, Boston, MA, USA.
- Vinh Nguyen, Priti Parikh, Satya Sahoo, Amit Sheth, *Managing provenance information in parasite research* poster, OCCBIO, Columbus, 6-8 June 2010.

- Ashutosh Jadhav, Wenbo Wang, Raghava Mutharaju, Pramod Anantharam, Vinh Nguyen, Amit P. Sheth, Karthik Gomadam, Meenakshi Nagarajan, and Ajith Ranabahu, *Twitris: Socially Influenced Browsing*, ISWC Semantic Web Challenge 2009, 8th International Semantic Web Conference, Washington, DC, USA
- Ashutosh Jadhav, Hemant Purohit, Pavan Kapanipathi, Pramod Ananthram, Ajith Ranabahu, Vinh Nguyen, Pablo Mendes, Alan Gary Smith, Michael Cooney, Amit Sheth *Twitris 2.0: Semantically Empowered System for Understanding Perceptions From Social Data* Demo submitted to, 9th International Semantic Web Conference, ISWC 2010, Shanghai, China, November 7-11, 2010.

## SKILLS

- Programming Languages: Java, C
- Operating Systems: Mac OS, Linux (Fedora/Ubuntu)
- Web Programming: client side (Adobe Flex, HTML, CSS, JavaScript, JQuery), server side (JSP, Java Servlet, PHP)
- Semantic Web: OWL, RDF/XML, SPARQL
- Application Servers: Apache Tomcat, Apache HTTP Server, JBoss, WebLogic, Oracle AS
- Database Systems: Virtuoso, Oracle, MySQL, Microsoft SQL Server

## REFERENCES

- Dr. Amit Sheth (advisor) - Ohio Eminent Scholar  
Director, Kno.e.sis Center  
Department of Computer Science and Engineering  
Wright State University  
Email: amit.sheth@wright.edu
- Dr. Olivier Bodenreider (mentor)  
Chief of Cognitive Science branch  
Lister Hill National Center of Biomedical Communication  
National Library of Medicine, National Institute of Health  
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- Dr. Satya Sahoo  
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- Dr. Ramakanth Kavuluru  
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