Sanjaya Wijeratne | Resume

Ph.D. Student in Computer Science – Kno.e.sis Center – Wright State University

377, Joshi Research Center, 3640 Colonel Glenn Hwy., – Dayton, Ohio – 45435

+1 (937) 562 1307 • ☎ +1 (937) 775 5217 • ✉ sanjaya@knoesis.org

🖘 http://knoesis.wright.edu/researchers/sanjaya/index.html

Research Interests

Emoji Understanding, Emoji Sense Disambiguation, Text Mining & NLP, Social Computing

Education

Wright State University	**Dayton, Ohio**
Ph.D. in Computer Science, GPA – 3.93/4.0	*September, 2011 – Present*
University of Moratuwa	**Katubedda, Sri Lanka**
B.Sc. in Information Technology, Top of the Class with First Class Honours	*2005 – 2009*

Research and Work Experience

Kno.e.sis Center – Wright State University	**Dayton, Ohio**
Researcher/Graduate Research Assistant	*September, 2011 – Present*
Institute for Infocomm Research (I2R) – A*STAR	**Fusionopolis, Singapore**
Research Intern	*January, 2016 – April, 2016*
Insight Center for Data Analytics (Formerly DERI) – NUIG	**Galway, Ireland**
Summer Research Intern	*May, 2014 – August, 2014*
CodeGen International (Pvt) Ltd.	**Colombo, Sri Lanka**
Software Engineer	*November, 2009 – July, 2011*
Virtusa Corporation (Pvt) Ltd.	**Colombo, Sri Lanka**
Trainee Software Engineer	*October, 2007 – April, 2008*

Awards and Accomplishments

Graduate Council Fellowship Award	**2011 – 2013**
College of Engineering and Computer Science, Wright State University	*Dayton, Ohio*
Gold Medal for the Best Overall GPA and Top of the Class	**June, 2010**
Faculty of Information Technology, University of Moratuwa	*Katubedda, Sri Lanka*
Dean's List Award Winner (Five Times)	**2005 – 2009**
Faculty of Information Technology, University of Moratuwa	*Katubedda, Sri Lanka*

Invited Talks

[1] **Sanjaya Wijeratne**, "Finding Street Gang Members on Twitter", Big Data Surveillance Analytics Mini Conference at Wright State University, Dayton, OH, USA. July, 2016.

Publications

[1] **Sanjaya Wijeratne**, Lakshika Balasuriya, Amit Sheth, Derek Doran, EmojiNet: Building a Machine Readable Sense Inventory for Emoji. SocInfo, 2016.

[2] **Sanjaya Wijeratne**, Lakshika Balasuriya, Derek Doran, Amit Sheth, Word Embeddings to Enhance Twitter Gang Member Profile Identification. SML Workshop at IJCAI, 2016.

[3] Lakshika Balasuriya, **Sanjaya Wijeratne**, Derek Doran, Amit Sheth, Finding Street Gang Members on Twitter. IEEE/ACM ASONAM, 2016.

[4] Raminta Daniulaityte, Ramzi W. Nahhas, **Sanjaya Wijeratne**, Robert G. Carlson, Francois R. Lamy, Silvia S. Martins, Edward W. Boyer, G. Alan Smith, Amit Sheth, "Time for dabs": Analyzing Twitter data on marijuana concentrates across the U.S., Drug and Alcohol Dependence October 2015

[5] **Sanjaya Wijeratne**, Derek Doran, Amit Sheth and Jack L. Dustin. Analyzing the Social Media Footprint of Street Gangs. IEEE ISI, 2015.

[6] R. Daniulaityte, R. Carlson, F. Golroo, **S. Wijeratne**, E. Boyer, S. Martins, R. Nahhas, A. Sheth, "Time for dabs": Analyzing Twitter data on butane hash oil use. CPDD, 2015.

[7] **Sanjaya Wijeratne**, Bahareh R. Heravi, A Keyword Sense Disambiguation Based Approach for Noise Filtering in Twitter. Insight Student Conference, 2014.

[8] Kalpa Gunaratna, Krishnaprasad Thirunarayan, Prateek Jain, Amit Sheth, **Sanjaya Wijeratne**, A Statistical and Schema Independent Approach for Identifying Equivalent Properties on Linked Data, ACM iSemantics, 2013.

[9] Ajith Ranabahu, Amit Sheth, Maryam Panahiazar, **Sanjaya Wijeratne**, Semantic Annotation and Search for resources in the next Generation Web with SA-REST. W3C Workshop, 2011.

Professional Activities and Services

External Reviewer – EKAW(2016, 2014), ISWC(2016), IJCAI(2016), IEEE BigData(2016), NLDB(2016), IJSWIS(2016), ICWSM(2015), WWW(2015), HICSS(2015), SAC(2015), Web Intelligence(2014, 2013), ESWC(2013)

Grant Writing

- **Project Safe Neighborhood:** Westwood Partnership to Prevent Juvenile Repeat Offenders (State funded, 2 Years) – **Status - Awarded, \$∼500K** | Role - Significant Contribution

- **eDrugTrends:** Trending: Social media analysis to monitor cannabis and synthetic cannabinoid use (NIH funded R01, 3 Years) – **Status - Awarded, \$∼1.5M** | Role - Limited Contribution

- **SyBz:** Catching the Synthetic Buzz through Innovative Epidemiologic Monitoring (NIH R01) – Status - Not Awarded | Role - Significant Contribution (Social Media Data Analysis)

- **ReCODe:** Real-time Computational Optimization of Deterrence (DoD) – Status - Not Awarded | Role - Limited Contribution (Social Media Data Analysis)

Computer Skills

- Programming Languages – *Java*

- Scripting and Mark-up Languages – *PHP, JSP, XML, JavaScript, HTML*

- Semantic Web Technologies – *RDF/RDFS, SPARQL*

- Databases – *MySQL, Oracle 10g(Basics), NoSQL/Cassandra(Basics)*

- Operating Systems – *Windows, Linux*

- IDEs – *Eclipse, Net Beans, IntelliJIdea*

References

Prof. Amit Sheth
Director, Kno.e.sis Center
Wright State University,
Dayton, OH, 45435 USA.
amit@knoesis.org
(937) 239-0625
http://knoesis.org/amit

Prof. Krishnaprasad Thirunarayan
Kno.e.sis Center
Wright State University,
Dayton, OH, 45435 USA.
t.k.prasad@wright.edu
(937) 775-5109
http://www.cs.wright.edu/~tkprasad/