

Arjun Srinivasan

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SUMMARY

I am a second year PhD student pursuing Computer Science at Georgia Tech. My research focuses on combining natural user interfaces and mixed-initiative interaction for data analysis with visualization. I am currently looking for research internship opportunities for Summer 2018.

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia, USA

- Ph.D. in Computer Science Aug 2016 – Present
Research areas: Information Visualization, Visual Analytics
Advisor: Dr. John Stasko
- M.S. in Computer Science Aug 2014 – May 2016
Specialization: Visual Analytics
Cumulative GPA: 3.83 / 4.0

R.V. College of Engineering, Bangalore, Karnataka, India

- B.E. in Information Science Aug 2009 – Jun 2013
Cumulative GPA: 8.68 / 10.00

EXPERIENCE

Microsoft Research, Redmond, Washington, USA

Research Intern, Mentor: Steven Drucker May 2017 – Aug 2017
Designed and evaluated techniques to facilitate visual comparison in data visualization dashboards.

Salesforce.com, San Francisco, California, USA

Software Engineering Intern, Analytics Cloud May 2015 – Aug 2015, May 2016 – Aug 2016
Developed a visualization system for real-time monitoring and diagnosis of service queues across data centers in a multi-tenant cloud architecture.

SAP Labs India, Bangalore, Karnataka, India

Associate Developer, SAP HANA Cloud Integration Jul 2013 – Apr 2014
Worked on R&D of Business Process Integration solutions on the cloud. Focused on developing proof of concept solutions for database refactoring and database migration.

GoToPal Inc. (now Calicom Inc.), Bangalore, Karnataka, India

Research Intern, Mentor: Ram Chellamuthu Jun 2012 – Aug 2012
Worked on combining concepts from natural language processing and artificial intelligence to develop web-based intelligent personal assistants.

PUBLICATIONS

JOURNAL/ CONFERENCE

A. Srinivasan and J. Stasko. “Orko: Facilitating Multimodal Interaction for Visual Exploration and Analysis of Networks.” *IEEE Transactions on Visualization and Computer Graphics*, Aug 2017 (presented at IEEE VIS '17).

A. Srinivasan, H. Park, A. Endert, and R. Basole. “Graphiti: Interactive Specification of Attribute-based Edges for Network Modeling and Visualization.” *IEEE Transactions on Visualization and Computer Graphics*, Aug 2017 (presented at IEEE VIS '17).

A. Srinivasan and J. Stasko, “Natural Language Interfaces for Data Analysis with Visualization: Considering What Has and Could Be Asked”, *Proceedings of EuroVis*, Jun 2017.

B. Saket, A. Srinivasan, E. Ragan, and A. Endert, “Evaluating Interactive Graphical Encodings for Data Visualization”, *IEEE Transactions on Visualization and Computer Graphics*, Mar 2017 (presented at IEEE VIS '17).

R. Basole, T. Major, and A. Srinivasan “Understanding Alliance Portfolios using Visual Analytics”, *ACM Transactions on Management Information Systems*, Vol. 8, No. 2, Article 1, Aug 2017.

WORKSHOPS

SB. Karthik, [A. Srinivasan](#), N. Elmqvist, and J. Stasko. "Affordances of Input Modalities for Visual Data Exploration in Immersive Environments, *IEEE VIS Workshop on Immersive Analytics*, Oct 2017."

R. Basole, T. Major, and [A. Srinivasan](#), "Sequencing the Enterprise Genome: Interactive Visual Analysis of Multi-Dimensional Alliance Activities of Global Enterprises.", *IEEE VIS business|vis|15*, Oct 2015.

POSTERS

A. Das, [A. Srinivasan](#), and J. Stasko, "CricVis: Interactive Visual Exploration and Analysis of Cricket Matches", *IEEE VIS*, Oct 2017.

[A. Srinivasan](#), and J. Stasko, "NL4DV: Toolkit for Natural Language Driven Data Visualization", *IEEE VIS*, Oct 2016.

OTHER PROJECTS

ecoxight: Visual Analysis of Multivariate, Temporal Networks Aug 2014 – May 2016

A web-based platform for visual exploration and analysis of multivariate, temporal graph networks commonly encountered during ecosystem analysis. (<https://ecoxight.com/>)

Advisor: Dr. Rahul Basole

Tangraphe: Multi-touch Interactions for Graph Visualizations Aug 2015 – Dec 2015

Explored single hand, multi-touch gestures for interacting with graph (network) visualizations.

Advisor: Dr. Keith Edwards

PUNGA: A Visual Analytics System for Exploring Text Documents Jan 2015 – May 2015

A web-based visual analytics system for investigative analysis of collections of text documents.

(<https://punga.herokuapp.com/>)

Advisor: Dr. Alex Endert

SKILLS

Programming Languages

Most experienced with: JavaScript, Python, HTML/CSS, Java, SQL

Familiar with: Node.js, R, C#, C++

Dabbled in: C, PHP, Perl, Processing

Libraries/Frameworks

d3.js, numpy, NLTK, scipy, jQuery, Flask, Express

ACHIEVEMENTS / AWARDS

Winner of Salesforce.com's Analytics Innovation Challenge.

USA, 2016

National finalist of Walmart's Collegiate Innovators Challenge.

USA, 2014

SAP Global Peer Recognition award.

India, 2013

Winner (1st place) of SAP Osmosis.

India, 2013

National finalist (1st runner-up) of SAP BizTech.

India, 2012

Winner of Microsoft India's Windows 8 hackathon.

India, 2012

National finalist of SAP Dashboard Design Challenge.

India, 2011

ACADEMIC SERVICE

Reviewer

2016-Present

ACM CHI, IEEE VIS, KDD IDEA, IEEE CG&A

Teaching Assistant

CS8803 Data Visualization: Principles & Applications

2017

LEADERSHIP/ TECHNICAL EVANGELISM

Salesforce.com Campus Brand Ambassador

2016

SAP Student Ambassador (1st student selected globally)

2013-2015

Member of the Microsoft India App Review Board

2013-2014

Microsoft Student Partner

2011-2013

Joint Secretary for the Rotaract Club of RVCE

2011-2012