# 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**

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|---|---|
| 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 Spring 2017

**LEADERSHIP/ TECHNICAL EVANGELISM**

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|---|---|
| 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 |