

# Arjun Srinivasan

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## EDUCATION

### GEORGIA TECH

#### PH.D. COMPUTER SCIENCE

Specialization: Visual Analytics & Human-Computer Interaction  
May 2020 (expected)

### GEORGIA TECH

#### M.S. COMPUTER SCIENCE

Specialization: Visual Analytics  
May 2016 | GPA: 3.84

### RV COLLEGE OF ENGG.

#### B.E. INFORMATION SCIENCE

July 2013 | GPA: 8.68/10.0

## SKILLS

#### MOST EXPERIENCED WITH:

Python • JavaScript • Java (Sun Certified) • SQL (Oracle Certified)

#### FAMILIAR WITH:

R • C/C++ • node.js • C#

#### FRAMEWORKS/LIBRARIES:

d3.js • NLTK • jQuery • Flask • scikit-learn • AngularJS

## LEADERSHIP

Salesforce.com Campus Brand Ambassador [2016-2017]

SAP Student Ambassador (1st student selected globally) [2013-2015]

Microsoft Student Partner [2011-2013]

## RESEARCH OVERVIEW

I design intelligent and expressive tools that combine multimodal input (e.g. speech and touch) and mixed-initiative recommendation techniques for human-data interaction. Specifically, my research leverages data visualization as a lens to support different aspects of data science including data cleaning and transformation, exploratory data analysis, and interpreting machine learning models.

## SUMMARY

Fourth year PhD student in Computer Science at Georgia Tech seeking full-time positions starting Summer 2020.

## WORK EXPERIENCE

### MICROSOFT RESEARCH

#### RESEARCH INTERN

May 2016 - August 2016; May 2019 - August 2019 | Redmond, WA

Developed multimodal data visualization interfaces and explored visual representation techniques to facilitate comparison in visualization dashboards.

### ADOBE RESEARCH

#### RESEARCH INTERN

May 2018 - August 2018 | Seattle, WA

Developed algorithms and techniques to enhance discoverability of natural language commands in multimodal interfaces.

### SALESFORCE.COM

#### SOFTWARE ENGINEERING INTERN

May 2015 - August 2015; May 2016 - August 2016 | San Francisco, CA

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

#### ASSOCIATE DEVELOPER

July 2013 - April 2014 | Bangalore, India

Worked on R&D of Business Process Integration solutions on the cloud.

## AWARDS / ACHIEVEMENTS

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|------|--|
| 2018 | College of Computing's "Outstanding Graduate Research Assistant" |
| 2016 | Winner of Salesforce.com Analytics Innovation Challenge          |
| 2015 | Finalist of "The SAP IT Mobile App Competition 2015"             |
| 2014 | National finalist of Walmart's "Collegiate Innovators Challenge" |
| 2014 | SAP Global Recognition Program Award for Teamwork                |
| 2013 | Winner (1st place) of "SAP Osmosis 2013"                         |
| 2012 | Winner (1st runner-up) of "SAP BizTech India 2012"               |
| 2012 | Winning developer at Microsoft's Windows 8 Hackathon             |
| 2011 | National finalist of "SAP Dashboard Design Challenge India 2011" |

## SELECT PUBLICATIONS

- Srinivasan, Arjun, et al. "Augmenting visualizations with interactive data facts to facilitate interpretation and communication." IEEE transactions on visualization and computer graphics 25.1 (2018): 672-681.
- Srinivasan, Arjun, et al. "Discovering natural language commands in multimodal interfaces." Proceedings of the 24th International Conference on Intelligent User Interfaces. ACM, 2019.
- Srinivasan, Arjun, and John Stasko. "Orko: Facilitating multimodal interaction for visual exploration and analysis of networks." IEEE transactions on visualization and computer graphics 24.1 (2017): 511-521.
- Srinivasan, Arjun, and John Stasko. "Natural language interfaces for data analysis with visualization: Considering what has and could be asked." Proceedings of the Eurographics/IEEE VGTC Conference on Visualization: Short Papers. Eurographics Association, 2017.