

Supriya Naidu

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EDUCATION

University of Colorado Boulder

Master of Science in Computer Science

Advisor: Dr. Danielle Szafir

Thesis title: Measuring the Impact of Color as a Pop-Out Effect in Scatterplots

Boulder, Colorado

Aug, 2017 – Dec, 2019

BMS College of Engineering

Bachelor of Engineering in Computer Science

Bangalore, India

Aug, 2011 – May, 2015

ACADEMIC POSITIONS

Department of Computer Science, University of Colorado Boulder

Assistant Teaching Professor

Jan, 2020 – Present

- Teach CS undergraduate classes with 30 – 400 students per semester
- Manage a course team of 25 – 50 undergraduate Learning Assistants, graduate Teaching Assistants and support staff per semester
- Courses Taught
 - CSCI 1300: Starting Computing
 - CSCI 3002: Fundamentals in Human Computer Interaction
 - CSCI 3010: Intensive Programming Workshop

Teaching Assistant – User-Centered Design and Development

Sep, 2019 – Dec, 2019

Teaching Assistant – Starting Computing

Aug, 2018 – May, 2019

Course Assistant – Computer Graphics, Database Systems

June, 2018 – July, 2018

RESEARCH

- **Optimal and Functional Color for Interactive Data Visualizations** **June, 2018 – Dec, 2021**
 - Implemented stimuli drawing from 222 existing color encodings
 - Constructed a web-based tool for systematic sampling of perceptual color spaces
 - Designed, developed and hosted an experiment on Amazon MTurk to collect crowdsourced data about effective highlight colors
 - Developed empirical models from data collected through the crowdsourced experiment
 - Constructed and tested a web-based tool for automatic model generation and high-color selection for sequential color ramps
- **Sentence Representation** **Oct, 2017 – Dec, 2017**
 - Performed qualitative and quantitative analysis on existing word embedding models for sentence embeddings

INDUSTRY EXPERIENCE

Unisys Corporation

Associate Engineer

Bangalore, India

June, 2015 – Mar, 2017

- Client/Server applications in Java, C#, SQL, black-box and white-box testing methods

AWARDS

College of Engineering and Applied Science, University of Colorado Boulder

- Dean's Performance Award for teaching, May 2022

SERVICE

Department of Computer Science, University of Colorado Boulder

- Undergraduate Curriculum Committee **Jan, 2020 – May, 2020**
- Learning Assistant Program Co-Ordinator **Aug, 2020 – Present**
- Pedagogy Committee **Aug, 2020 – Present**
- DEI Committee **Aug, 2022 – Present**