Aparajithan Venkateswaran

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Education

University of Washington   2020-present

   Ph.D. in Statistics.

University of Colorado Boulder   2016-2020

   B.S. in Computer Science, *summa cum laude* with Honors.
   B.S. in Applied Mathematics, *summa cum laude* with Honors.
   Senior Thesis (Advisor: Daniel B. Larremore):
   "Understanding SpringRank through Random Utility Models, Identifiability and Online Updates"

Experience

University of Washington   2020-present
Teaching Assistant

   Winter 2021: Elements of Statistical Methods (STAT 311).
   Autumn 2020: Statistical Reasoning (STAT 220).

University of Colorado Boulder   2017-2020
Research Assistant

   COVID-19 Response: OSS to monitor anonymized social densities on campus.
   Complex Networks: Rank embeddings, identifiability of node covariates, online ranking.
   Resume Parsing: ML and mathematical models to segment and parse curricula vitae.
   Feature Tracking: Optical navigation using deep learning.

Microsoft   2019-2020
Software Engineering Intern

   Summer 2020: Mixed Reality Cloud SDK Team.
   Summer 2019: Edge Experimentation Team.

University of Colorado Boulder   2018-2020
Teaching Assistant

   Spring 2020: Chaotic Dynamics (CSCI 4446/5446).
   Spring 2018: Discrete Structures (CSCI 2824).

Publications

1. **A. Venkateswaran**, "Understanding SpringRank through Random Utility Models, Identifiability and Online Updates", *Undergraduate Honors Thesis* (2020).
2. **A. Venkateswaran**, B. Palmer, J. Kailey-Steiner, "The Value of Identity: Measure the Cost of Privacy", *Colorado Journal of Applied Mathematics* pp. 1-22, (2018).

Awards

Outstanding Undergraduate for Academic Achievement [CU Boulder]	2020
Chancellor's Recognition Award [CU Boulder]	2020
Active Learning Award [CU Boulder]	2020
Computer Science Discovery Learning and Service Learning Award [CU Boulder]	2020
Colorado Mathematics Award [State of Colorado]	2019
INFORMS Award, Outstanding Winner [Mathematical Contest in Modeling]	2019
Wozniak Scholarship [CU Boulder]	2019, 2018
Meritorious Winner [Mathematical Contest in Modeling]	2018
O'Kelly Scholarship [CU Boulder]	2017

Service

Statistics Drop-in Tutor [UW]	2020-present
Statistics Directed Reading Program Mentor [UW]	2021-present
HackCU [CU Boulder]	2016-2020
GitHub Campus Expert [CU Boulder]	2017-2020
Computer Science Department Action Team [CU Boulder]	2019