

Aparajithan Venkateswaran

apara.vnkat@gmail.com • aparavenkat.com • github.com/AparaV • twitter.com/apara_v

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

Spring 2021: Introduction to Statistical Learning (STAT 435)

Winter 2021: Elements of Statistical Methods (STAT 311).

Autumn 2020: Statistical Reasoning (STAT 220).

Microsoft 2019-2021

Software Engineering Intern

Summer 2021: Mixed Reality Object Understanding Team.

Summer 2020: Mixed Reality Cloud SDK Team.

Summer 2019: Edge Experimentation Team.

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.

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]	2018, 2019
Meritorious Winner [Mathematical Contest in Modeling]	2018
O’Kelly Scholarship [CU Boulder]	2017

Service

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