

Aparajithan Venkateswaran

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Education

University of Colorado Boulder

B.S. (Honors) Computer Science

B.S. (Honors) Applied Mathematics

May 2020

GPA: 4.000 (after Summer 2018)

Experience

Research Assistant, University of Colorado Boulder

Jan 2018 - Present

- NSF funded REU
- Working in Larremore Lab to study the underlying structure of academic resumes
- Using machine learning and mathematical modeling techniques to segment academic resumes and parse information

Course Assistant, University of Colorado Boulder

Jan 2018 – May 2018

- Course assistant for Discrete Structures (CSCI 2824)
- Held office hours to help students with assignments and concepts
- Designed new questions for assignments/exams and wrote solutions for existing questions

Research Assistant, University of Colorado Boulder

Sep 2017 – Dec 2017

- Worked in the AVS Lab on optical navigation and feature tracking in astronomical objects
- Developed a deep neural network to detect craters and designed an algorithm to track specific craters across time

Awards

Meritorious Winner – Mathematical Contest in Modeling

2018

- Modelled the cost of an individual's privacy, in a free market, by considering the risks and benefits associated with sharing private information along with highly correlated nature of human data

Skills

Languages

Experienced in C/C++, Python; Familiar with MATLAB, JavaScript

Tools and Frameworks

TensorFlow, Numpy

Misc.

MATLAB/GNU Octave, Git, Heroku

Volunteering

GitHub Campus Expert

Oct 2017 - Present

Organizer, HackCU

Sep 2016 - Present