

# ADHITYA VENKATRAMAN

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## EDUCATION

### Claremont McKenna College – Claremont, CA

May 2022

*B.A. Economics; B.A. Philosophy, Politics, Economics; Sequence in Data Science*

- GPA: 3.95 (out of 4.00)
- Relevant Coursework: Data Mining, FinTech Practicum, Real Analysis, Linear Algebra, Econometrics, Statistics, Multivariable Calculus, Introduction to Computer Science, Strategic Cost Management, Corporate Finance
- Projects: Pricing Algorithm for Venture-Backed E-Commerce StartUp (Python), Google Search PageRank Algorithm (Python), Automated API Performance Testing Tool (Bash), Twitter Sentiment Analysis (Python)
- Tools: Docker, Power BI, Python, Kubernetes, R, SQL, Tableau, Tensorflow, MATLAB, JavaScript
- Awards: McKenna Achievement Scholarship; Murty Fellow in Philosophy, Politics, and Economics; Robert Day Scholarship

## EXPERIENCE

### Cisco Systems – Santa Clara, CA

May 2021 - Aug 2021

*Machine Learning Intern*

- Developed patent-pending Python algorithm predicting inefficiencies in enterprise networking services
- Built data pipelines from customer-side cloud services to collect workflow data on more than 23,000 defect cases
- Created live telemetry dashboard of efficiency metrics using Power BI, UiPath, and Tableau
- Offered data-driven recommendations to resolve internal and customer process inefficiencies

### Cisco Systems – Santa Clara, CA

May 2020 - Aug 2020

*Software Engineering Intern*

- Created automated API performance testing tool in Bash and Python to support developers
- Built container-based application using Kubernetes and Docker for any Cisco developer to access testing tool
- Analyzed Agile sprints with senior engineers to gather requirements for automated testing
- Validated costs of delayed features with customer experience, operations, and engineering teams to assess tool value

## RESEARCH

### Rose Institute of State and Local Government – Claremont, CA

Oct 2018 – Present

*Student Manager*

- Lead a research institute of 30 students by managing 7 teams, setting a research agenda, and building faculty relationships
- Analyze twenty years of crime data to uncover disproportionate growth in sentence lengths for severe felonies
- Calculate changes in congressional seat counts to understand gerrymandering effects
- Prepare reports and data visualizations with InDesign and Tableau published in Press-Enterprise and Inland Empire Outlook

### Lowe Institute of Political Economy – Claremont, CA

Sept 2020 – Aug 2021

*Research Assistant with Prof. Cameron Shelton*

- Wrangle and organize 150+ GB of Congressional district-level spending data and 100+ GB of individual spending data

*Research Assistant with Prof. Jeffrey Flory*

- Analyze impact of personnel diversity through experimental & A/B test data from leading asset management firm
- Prepare course material for racism and human capital unit in Economic Development course

*Research Assistant with Prof. Angela Vossmeier*

- Perform analysis and geocoding on archival dataset of bank failures during the Great Depression using Python
- Write thesis on the effect of Congressional seat vacancies on spending allocations to districts

*Research Assistant with Prof. Florian Madison*

- Utilize Python to wrangle 60 years of financial data to understand liquidity and drivers of currency policy

## ACTIVITIES

### Claremont McKenna and Harvey Mudd College – Claremont, CA

Jan 2020 – Present

*Econometrics, Python, and Statistics Tutor*

- Host weekly tutoring sessions for 25+ students focused on modeling, data structures, recursion, and inference

### SOURCE Nonprofit Consulting – Claremont, CA

Oct 2018 – Present

*Consultant; Lead Consultant (April 2019 – June 2020)*

- Manage team of 6 optimizing 100 year-old nonprofit's stability, impact, and efficiency
- Create metrics to estimate social impact of \$9.5 million in community donations