

Nikhil Chinchalkar

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EDUCATION

Cornell University, College of Arts and Sciences

Economics Major, Computer Science and Data Science Minor

Ithaca, NY

GPA: 4.2/4.0

PROFESSIONAL EXPERIENCE

Novo Nordisk Inc., Business Analyst | Plainsboro, NJ

Jun.- Present

Worked in the Field Incentives and Compensation team to design equitable pay for sales performance

- Uncovered demographic biases in employee payouts using a fixed effects model with nine years of employee data
- Presented insights to business leaders resulting in enhanced and equitable payout curves for employee performance
- Enhanced SQL data pipelines to automate visualization in Tableau, reducing latency from 2h to 5m
- Earned 3rd place (out of 80 interns) in case competition meant to drive long-term business growth

Cornell University Computing and Information Science, Teaching Assistant | Ithaca, NY

Jan.- Present

Aided students' learning in CS 2110: Object-Oriented Programming and Data Structures (Java)

- Helped run weekly discussion sessions of 30+ students to reinforce course concepts through interactive Java activities
- Taught course material and aided 100+ students with course assignments in weekly one-on-one consulting sessions
- Facilitated equitable grading of 400+ exams, homework, and quizzes throughout the semester

Princeton University Research Computing, Data Visualization Analyst | Princeton, NJ

Jun.-Aug. 2024

Advanced work in data visualization designed to aid the Princeton community in high-impact research

- Worked with several multidimensional datasets to create 13 cutting-edge animations and interactive visualizations in R
- Created detailed [tutorials](#) on how to reproduce the visuals, forming a 'textbook' on advanced animations in R
- Led an interactive workshop on '[Making Animated Visualizations in R](#)' for 17 researchers from Princeton University
- Designed and implemented a comprehensive online guide for producing dynamic and animated visuals using vector and raster GIS data in Blender and executing rendering processes on a HPC supercomputer cluster

DATA SCIENCE PROJECTS

Recent personal projects incorporating a variety of data types to generate advanced models and visuals

[New York Times Crossword Clues](#), Researcher | Plainsboro, NJ

May.-Aug. 2025

- Designed an immersive, "scrollytelling" front-end for analysis of 10,000+ NYT crossword puzzles (TypeScript)
- Used BeautifulSoup framework to interface data and R to produce animated and user-reactive data visualizations

[Campaign Trails](#), Project Lead | Ithaca, NY

Sep.-Nov. 2024

- Led a 5-person team that analyzed presidential candidates' campaign visits to predict future election outcomes
- Made a website for findings (JavaScript), earned most unique visitors among Cornell Data Journal articles (1,000+)

[NYC Trees](#), Researcher | Princeton, NJ

Jul.-Aug. 2024

- Modeled NYC's trees in Blender to show socioeconomic differences in the city using 20 GB of vector and raster data
- Incorporated several features from the Blender Python API, and worked with Princeton University's Adroit-Vis cluster
- Documented work to allow application of modeling techniques to other projects; published to [Princeton's website](#)

CAMPUS LEADERSHIP

Cornell Data Journal, Executive Vice President | Ithaca, NY

Sep. 2023-Present

- Created four interactive [notebooks](#) detailing the basics of Python, SQL, and R to teach 50+ new club members
- Delivered personalized teaching to members' experience, resulted in ~50% higher participation rates

Big Red Sports Network, Baseball Analyst | Ithaca, NY

Jan. 2024-Present

- Conducted in-depth analysis of data from Synergy Baseball to gain insights on opposing players in scouting reports
- Utilized R extensively for data analysis and visualization, to build accurate and insightful presentations
- Presented research findings and conducted weekly Q&A sessions with Cornell's baseball coaching staff

SPECIALIZED SKILLS

Programming Software: Python (PyTorch, scikit-learn, statsmodels, pandas, numpy, matplotlib), R (ggplot, tidyverse, dplyr), Java, SQL, Tableau, JavaScript, Excel (PowerQuery, VBA), Linux Command Line, Git