






Nathan Blumenfeld

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ABOUT

Undergraduate Cornell Engineering student with a strong technical and humanities background seeking opportunity to solve meaningful problems and advance education.

SKILLS

Languages	Packages
Python ■■■□	Pandas
Java ■■□□	NumPy
SQL ■■■□	Plotly
PHP ■■□□	Seaborn
	Matplotlib
	Folium
Tools	Requests
HTML/CSS	Selenium
Git	Statsmodels
Tableau	Scikit-Learn
Jupyter	Geopandas
Collab	Requests
Excel	Selenium
Gurobi	BeautifulSoup

Foreign Languages

English (Native), Latin (Proficient)
Spanish (Intermediate)

CERTIFICATIONS

Kaggle Advanced SQL
EdX Sabermetrics 101
Rapsodo Baseball Hitting
Rapsodo Baseball Pitching

INTERESTS

Nutrition
Fantasy Sports
Poker

EDUCATION

Cornell University, College of Engineering | Ithaca, NY
B.S. in Information Science Systems and Technology, Anticipated June 2023
Primary Concentration in Data Science, Minor in Classics
Relevant Coursework: Probability/Statistics, Practical Tools for DS&ML, Linear Algebra, Discrete Structures, Object-Oriented Programming & Data Structures

EXPERIENCE

Sigma Alpha Mu, Beta Chapter | Ithaca, NY
House Manager, Incoming Treasurer March 2020-Present

- Managing internal operations for 70+ member organization
- Overseeing maintenance and compliance for 21,605 sqft. house
- Elected to run financial operations, oversee \$600k+ annual budget

Cornell Sports Analytics | Ithaca, NY
Baseball Subteam Member April 2021-Present

- Helping Cornell Baseball obtain a competitive advantage using data
- Calculating advanced statistics to understand true run-scoring impact
- Advising analytics team members in Python and data science methods

Cornell Daily Sun | Ithaca, NY
Sports Section Contributor March 2021-Present

- Bringing data-driven story-telling the Sun Sports Section
- Combing analysis, visualizations, and interviews into engaging articles

Cornell Rugby Football Club | Ithaca, NY
Vice President for Public Relations, Tighthead Prop January 2020-Present

- Directed social media & public relations for USA Rugby D1-AA Team
- Started at Prop in Ivy League Rugby Conference as a freshman
- Bolstered alumni network by helping organize events and resources

Alfalfa | Hoboken, NJ
Front of House Staff Summer 2020

- Serviced 200+ tickets per service as part of 3-person team
- Advised and assisted implementation of new Point-of-Sale system
- Scheduled weekly meetings with founders to improve operational procedures, customer experience, and implement new technologies

MakeSPP | Jersey City, NJ
Co-Founder, Finance Lead Jan 2017-Aug 2019

- Launched largest student-organized hackathon in NYC area
- Secured \$15k in sponsors, keeping events free for 200+ students
- Mentored new class of organizers, became MLH official for 2021

PROJECTS

Hedonic Price Modeling of Ithaca Rentals
An analysis of Ithaca rent prices. Scraped static and dynamic data from Cornell listings page with Selenium and Requests. Exploratory analysis of varied datatypes conducted within Pandas utilizing Seaborn and Folium visualizations. Statsmodels used to explore viability of Hedonic price models.

College Baseball Sabermetrics Module
A custom module for obtaining advanced collegiate-level baseball statistics and visualizations. Retrieves data from multiple sources through API calls with Requests and uses Pandas to preprocess and calculate relevant metrics. Visualization methods are provided via Plotly/Dash framework. In progress