

Dylan Black

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Education

Northeastern University, Boston, MA

Bachelor of Science in Economics and History, Graduation May 2025

Minors in Data Science, Mathematics, and Computational Social Sciences

GPA: 3.97 / 4.0

Relevant Coursework: Discrete Structures, Fundamentals of Computer Science I/II, Object-Oriented Design, Principles of Information Science, Probability and Statistics, Calculus I/II, Linear Algebra, Machine Learning and Data Mining, Macroeconomic Theory, Microeconomic Theory, Applied Econometrics, Historical Research and Writing

London School of Economics, London, UK

Attended July – August 2023

GPA: 4.0 / 4.0

Relevant Coursework: Introduction to Data Science and Machine Learning, Economic History

Professional Experience

Perkins School for the Blind

Watertown, MA

Research and Data Analyst Co-Op, Howe Innovation Center

Jan 2023 – Present

- Designed a database of 1200+ companies and 900+ investors in the DisabilityTech market, automated data collection using the Crunchbase API and Python scripting
- Analyzed and reported patterns within market data using Python and statistical methods to make insights on market size, location, funding, and sectors
- Coordinated all market research published by the Innovation Center, including collaboration with McKinsey on a cornerstone whitepaper as the Innovation Center's first full-time researcher
- Built interactive and accessible web-based visualizations of geographic data, companies founded over time, and categorizations of DisabilityTech products

iD Tech Camps

College Park, MD

Overnight Instructor

June 2022 – Aug 2022

- Mentored between 8 and 10 students weekly in topics such as Minecraft Modding with Java, Cryptocurrencies and Blockchain, Artificial Intelligence and Machine Learning, Java Programming, and JavaScript Programming

Fiveable

Remote

Experience Data Analyst

Dec 2021 – June 2022

- Analyzed and reported experience data using Amplitude and Google Analytics for over 20,000 users to drive product-focused decisions, such as a global analysis of student retention at certain times
- Implemented Amplitude data tracking in codebase for tracking user interaction and log in statistics
- Reported data driven product recommendations to executive leadership on a weekly basis

Learning Project Coordinator

June 2021 – Dec 2021

- Led market research on CMS platforms for a company-wide content migration
- Performed SEO keyword research and developed content taxonomies for the eventual creation of over 1000 pieces of new content

Web Development Intern

June 2020 – Sept 2020

- Developed reusable front-end React components for a Fiveable redesign along with search results pages, slides pages, and content pages
- Assisted in site-wide migration to Next.js and functioned in an agile environment with daily standups

Skills

R (Tidyverse), Python, Pandas, Matplotlib, Numpy, Jupyter Notebooks, Microsoft Excel, SQL, SQLite, Google Cloud Platform, Google BigQuery, Flask, Highcharts, GraphQL, Tableau, XML, XPath, XSL, Supervised and Unsupervised Learning, Linear and Logistic Regression, Classification Methods, Non-Linear Methods, Tree-Based Methods (Bagging, Random Forests), Unsupervised Learning Methods (k-means, PCA), Quantitative Text Analysis (dictionaries, supervised learning for text, topic models), Web Scraping, HTML + CSS, Node.js, npm, Storybook.js, Firebase, Next.js, Material-UI, MongoDB, Express, Racket, Java, UML, WordPress