

Jacob Kulik

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Education

Khoury College of Computer Sciences, Northeastern University, Boston, MA May 2025
Candidate for Combined Major in Data Science and Business Administration | Concentration in Finance | *GPA: 3.97/4.00*
Relevant Coursework: Advanced Programming with Data (Python), Database Design, Copenhagen Business School - Investments

Brooklyn Technical High School, Brooklyn, NY June 2021
Applied Mathematics Major | James E. Casey Scholarship 2021 | 2nd Place NY Chess Team 2019 | *Weighted GPA: 100.06/100*

Work Experience

Khoury College of Computer Sciences, *Data Science Undergraduate Teaching Assistant*, Boston, MA January 2022 – Present

- Facilitate discussion through weekly office hours and Piazza threads for 500 students in DS2000: Programming with Data
- Assist Profs. Shun-Yang Lee and Dr. Laney Strange in sections of DS2001 lab, grade and provide feedback on homework

Chess.com, *Partner Twitch Streamer*, Virtual August 2021 – Present

- Launched own show as one of few college-aged streamers in partner program aimed at growing chess's popularity online
- Host Chess.com/tv programs for thousands of viewers, creating content that is promoted on Chess.com site
- Organize dozens of viewer tournaments with over 1k total participants and interactive lessons on various openings

Twitch, *Chess Streamer*, Virtual November 2020 – Present

- Develop educational channel, focusing on blitz and bullet chess, with over 2.1k followers and 400k total views
- Produce video content, consistently rank in the top 50 English chess channels on the site for viewership and growth
- Raised over \$1500 for non-profit organization Chess in the Schools through payout donations over the course of 8 months

DATA Initiative Research Lab, *Data Analyst Consultant*, Boston, MA December 2021 – May 2022

- Consulted with Hub App, a global event-planning mobile app, serving as client relationship manager in team of 4 lab students
- Analyzed behavior of user's final action in app, utilizing Pandas dataframes in Python with live analytical MySQL databases
- Presented new approach for app UI/UX designs, prioritization based on growth potential among target college student market

Marks Jewish Community House of Bensonhurst, *Inclusion Counselor*, Brooklyn, NY July 2021 – August 2021

- Provided one-on-one supervision and assistance for a disabled camper and fostered inclusivity in group activities
- Organized field games, coordinated science workshops, and ensured camper safety at the campground

Leadership Experience

Disrupt - The FinTech Initiative, *VP (Finnovate Co-Director)*, Spring 2022), Boston, MA December 2021 - Present

- Restructure curriculum for 8-week FinTech venture-building program to funnel directly into venture accelerator IDEA
- Head marketing strategy utilizing graphic design and public speaking, directly leading to a 30% increase in applicants
- Coordinate engaging technical workshops, leading to a 25% increase in venture pitches from 62-student cohort

Shorefront YM-YWHA, *After School Center Teacher*, Brooklyn, NY December 2019 – March 2020

- Created weekly chess class for 2nd graders focused on sportsmanship, sourcing an engaging curriculum from chess resources
- Promoted student collaboration through cooperative assignments, group quizzes, and supervised matches

Projects

Programming Language Predictor March 2022 - April 2022

- Tokenized GitHub Repository code snippets with Regex and TF-IDF to train a Multinomial Naive Bayes Classifier
- Launched machine learning model to predict programming language of user input on Heroku with Python framework Flask

Company Success and Executive Compensation Analysis December 2021 - January 2022

- Evaluated correlation between increase in the success of a company and the compensation for top executives with Python

Additional Information

Additional Activities: Dean's List, Disrupt Finnovate Program (Finalist), Collegiate Chess League Division 3 Champion (NEU A Board 1), Chess Club (Event Coordinator), Intramural Chess (Champion), Chess.com Ambassador, Hillel (First Year Committee)

Technical Skills: Proficient in Python, Pandas Library, Microsoft Office Suite, Streamlabs OBS, Photoshop, Adobe Premiere Pro

Language Skills: Fluent in Russian

Interests: Soccer, cycling, billiards, emerging technologies