

# Jacob Kulik

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## Education

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**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: Adv. Programming w/ Data (Python), Database Design (SQL), Copenhagen Business School - Investments

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

## Work Experience

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

- Facilitate discussion through weekly office hours and Piazza threads for 500 students in DS2000: Programming with Data
- Assist 20 students in section of business practicum, grading and providing individualized feedback on homework and projects

**Chess.com, Partner Twitch Streamer**, Remote Aug 2021 – Present

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

**Twitch, Chess Streamer**, Remote Nov 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 Dec 2021 – May 2022

- Served as client relationship manager in team of 4 lab students for startup Hub App, a global event-planning mobile app
- Analyzed behavior of users' final action in app, utilizing Pandas DataFrames in Python with live analytics MySQL databases
- Presented CTO with approach for UI/UX designs centralized around growth among target college student market

## Leadership Experience

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

- Lead executive board of 22 students to execute 12+ speaker events and develop financial literacy mobile application
- Design and teach 3-part Python workshop series covering Pandas library and Yahoo! Finance API for 150+ total students
- Restructure curriculum for 8-week FinTech venture-building program to funnel directly into venture accelerator IDEA
- Directed marketing initiative utilizing graphic design and public speaking, directly leading to a 30% increase in applicants
- Coordinated engaging technical workshops, resulting in a 25% increase in venture pitches from the 62-student cohort

**Shorefront YM-YWHA, After School Center Teacher**, Brooklyn, NY Dec 2019 – Mar 2020

- Created weekly chess class for 2<sup>nd</sup> graders focused on sportsmanship, using chess resources to devise an engaging curriculum
- Promoted student collaboration through cooperative assignments, group quizzes, and supervised matches

## Projects

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**ReceiptTrack - Receipt Image Processing** Oct 2022 – Dec 2022

- Developed dashboard web app tool in team of 4 that analyzes receipt images using OCR to produce shopping habit insights
- Incorporated object-oriented design and Plotly Dash to visualize spending trends over time and across food groups

**Programming Language Predictor** Mar 2022 – Apr 2022

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

## Additional Information

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

**Technical Skills:** Proficient in Python, NumPy, Plotly, Scikit-learn, Pandas, Github, MySQL, Docker, Adobe Premiere Pro

**Language Skills:** Fluent in Russian

**Interests:** Soccer, Stair Climbing, Fantasy Premier League, Spikeball, Cycling, Billiards, Emerging Technologies