

Sebastian Brookes

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Education

Northeastern University

B.S. in Data Science and Business Administration

GPA: 3.92/4.00 | Honors: Dean's List

Coursework: Databases, Advanced Programming with Data, Mathematical Foundations of AI, Financial Management

Boston, MA

Expected May 2028

Skills

Languages & Databases: Python, SQL, MySQL

Data & Analytics: pandas, NumPy, scikit-learn, Matplotlib, Jupyter, Excel (PivotTables, XLOOKUP, linear regression)

Development & Tools: Git/GitHub, REST & LLM APIs

Experience

Software Engineering Intern

Gather

Jun–Jul 2026

Brooklyn, NY

- Delivered 8 merged pull requests in React Native/TypeScript, resolving chat read-state, calendar, responsive-layout, and deployment defects
- Built an automated email briefing that translated daily code changes into plain English for nontechnical staff, with a monthly summary option for partners and funders
- Tested 45+ feature tickets across iOS, Android, and web; filed 8 reproducible bug reports to support issue resolution and regression testing

Student Consulting Analyst

Sertie (via Northeastern's Young Entrepreneurs Club)

Feb–Apr 2025

London, UK

- Built a 5-year revenue model across three scenarios using pricing, acquisition cost, and churn assumptions; projected \$5.6M in Year-5 revenue under the base case
- Evaluated expansion opportunities across 10 international markets using demographic, regulatory, and cultural criteria; identified India as the strongest entry opportunity
- Presented market sizing, pricing, and market-entry recommendations directly to the CEO

Projects

HoopSpot: Basketball Court Analytics Platform

Python, MySQL, Flask, Streamlit, Docker, Plotly

Mar–Apr 2026

- Designed a 13-table relational MySQL schema for a five-person team; wrote 24 SQL workflows using multi-table joins, aggregations, subqueries, and time-based grouping
- Built Streamlit dashboards for court discovery and player activity, with maps, filters, check-in workflows, and performance charts connected to a Flask REST API and MySQL database

Markets vs. Polls: Election Forecasting Analysis

Python, pandas, NumPy, Jupyter, Matplotlib

Feb–Apr 2026

- Built a reproducible Python pipeline to clean and merge 150+ Polymarket and FiveThirtyEight files for forecast comparisons across 13 states over 189 days
- Compared state winner predictions from both sources and evaluated a September 12, 2024 forecast snapshot against certified election results

NBA 2K Player Progression Tracker

React, TypeScript, Next.js, Vercel

Dec 2025–Jan 2026

- Independently built and launched a free NBA 2K player progression tracker to replace a discontinued community tool
- Reached 6,000+ unique visitors in the first week following a creator's promotion; shipped 6 updates in response to user reports