Aaron Kanzer

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Education

Northeastern University   **Boston, MA**
Masters of Science – computer science, *concentration in artificial intelligence*   **May 2020**

Northeastern University   **Boston, MA**
Bachelors of Science – economics and political science, *magna cum laude*   **May 2016**

Technical Skills

Programming Languages: Expertise in Python, Java and Typescript/Javascript
Infrastructure / DevOps: Docker, Kubernetes, Troposphere, Helm, Vault, Terraform, nginx
Statistics / Math: Regression analysis, machine learning techniques, algorithmic analysis
Data Visualization / Analysis: Microsoft Excel, RStudio, numpy, pandas, sklearn, Tableau, plot.ly, D3.js
Other: git, Photoshop/Figma, fluency with AWS, Azure and GCP cloud providers, serverless architecture

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Professional Experience

Broad Institute of MIT & Harvard, Senior Software Engineer   **Oct 2022 - May 2023**
• Contributed to open-source genomics software initiative with Microsoft and Google engineers
• Managed infrastructure for handling large amounts of scientific data and workflows for 25K+ researchers
• Represented team at production readiness and UI working groups

PathAI, Software Engineer, Clinical Integration & Site Reliability   **May 2019 - Oct 2022**
• Facilitated ingestion and queuing of large-scale data for algorithmic and ML-related analysis via Python
• Led full-stack engineering onboarding, mentored interns, and conducted interviews for senior-level applicants
• Cross-coordinated with ML, product, and regulatory teams to prepare applications for FDA submissions

Northeastern University Business Analytics Dept., Research Assistant   **June 2018 – April 2020**
• Conducted study groups related to forecasting, regression analysis, and database design
• Served as lead teaching assistant for MBA-level Business Analytics & Info Visualization courses

2016 Democratic Nominee for Massachusetts State Representative, 2nd Barnstable District
• At the age of 21, received 45% of votes cast in 2016 general election, winning 4 of 11 total precincts
• Won Democratic Primary with 60% of votes cast against chairwoman of Barnstable School Committee
• Raised $20K+ and managed team of volunteers to knock on more than 15,000 doors in 5 months

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Other
Boston Red Sox - Green Monster Scoreboard Operator (2017 – Present)
Boston Healthcare Program for the Homeless Emerging Leaders Board (2022 - Present)
Greater Boston Food Bank "Kitchen Cabinet" Young Professionals Group (2020 - Present)
Town of Barnstable Housing Committee - Appointed Member (2015-2018)
MBTA - Policy Aide, Office of the General Manager (2014)
United Nations Institute for Disarmament Research - Research Sponsorship, UN Offices in Geneva (2013)