

# Aaron Kanzer

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## Education

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

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

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## Technical Skills

**Programming Languages:** Expertise in Python, Java and Typescript/Javascript, Golang, Rust

**Infrastructure / DevOps:** Kubernetes, Docker, Helm, pulumi, Terraform, nginx

**Applied AI:** agentic workflows, fine-tuning model development, protein design, computer vision

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## Experience

**Scigantic, Inc, Founder** **Apr 2026 - Present**  

- Built platform for exploring large-scale open-source, cloud-agnostic datasets
- Democratized fine tuning of models across multiple scientific domains
- Organized and executed go-to-market strategy for distribution across academic labs and biopharma
- Crafted custom agentic tooling for JupyterHub interactions with Claude, GPT, AWS Bedrock

**Career Break** – travel to Japan, New Zealand, Australia **Nov 2025 - Apr 2026**

**Generate:Biomedicines**, Senior Software Engineer, ML Operations **June 2025 - Nov 2025**  

- Replicated AlphaFold3 model training for fine-tuning diffusion models for protein design
- Supported large-scale structure prediction submissions against open-source models
- Configured CPU and GPU-optimized pipelines to support tooling across protein design

**Massachusetts Institute of Technology**, Senior Software Engineer **Oct 2023 - June 2025**  
McGovern Institute of Brain Research  

- Founding full-stack engineer on LINC NIH grant: <https://connects.mgh.harvard.edu/>
- Assisted postdocs and doctoral students on relevant cognitive neuroscience research
- Added contributions to open-source software for voxel visualization software

Broad Institute of MIT & Harvard **Oct 2022 - May 2023**  

- Contributed to genomics software initiative with Microsoft and Google engineers
- Managed infrastructure for large amounts of scientific workflows for 25K+ researchers

**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

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## Other

2016 Democratic Nominee for Massachusetts State Representative, 2<sup>nd</sup> Barnstable District

Boston Red Sox - Green Monster Scoreboard Operator (2017 – Present)

Boston Healthcare Program for the Homeless Emerging Leaders Board (2022 - Present)