

Jacob Trock

Boston, 02125 • (203) 216-2725
trock.j@northeastern.edu • <https://www.linkedin.com/in/jake-trock>

Passionate, genial programmer and entrepreneur.

Skills

- **Programming Languages** - Typescript, Ecma, React, Node.js, Bash, Java, Python, JS, HTML, CSS, RegEx
- **Programming Libraries** - DevOps, Linux, Nixos, MongoDB, Docker, PostgreSQL, GraphQL, AWS services(CDK,EC2,RDS,...)
- **Business** – Founded two early stage startups, validating, iterating and designing. Led several efforts for code-cleanliness, documentation and wrote design documents in most positions held. Graphic Design (Adobe suite)

Work Experience

Broad Institute of MIT and Harvard, Cambridge MA

Software Engineer

01/2023-Present

- Critical member of the team, implementing features that had tight deadlines
- Lead efforts within the UI working group to implement code quality, typescript standards, proper testing, centralized documentation on a global data science platform for medical research
- Using a Scrum-based system w/ kanban and retros

Phast Diagnostics, Boston MA

DevOps Engineer

01/2022-06/2022

- Worked alongside senior engineer to develop secure patient data handling backend
- Worked on client/hospital facing GUI, implemented comprehensive unit testing
- Managed AWS resources across many regions(US, Europe, Korea)
- Worked on prototype hardware and software for cloud-enabled microscope for AI diagnosis ecosystem
- Kanban-based ticketing system

Picstop, Boston MA

Backend Developer

12/2020-02/2021

- Connected service to Amazon S3 for image storage
- Optimized validation, wrote an infinite scroll feed system and cleaned code
- Worked with an Agile ticket-based system

Live XYZ, New York NY

Frontend Developer

06/2019-07/2019

- Built React pages for live events
- Audited integration of Mapbox to code base
- Assisted management in client meetings

Education

- BS Computer Sciences, Graduation 2025, Khoury College, Northeastern University
- BS Business, Graduation 2025, D'Amore McKim School of Business, Northeastern University

Personal Endeavours

- Nebulous Systems: Cloud-portable SaaS, Built out billing systems, backend(2022)
- ServiceEngine: NoCode File processor, Invited to TechCrunch Disrupt, youngest finalist at Husky Startup challenge(2021)
- Furniture Design (metal welding and woodwork), Technology recovery and refurbishment, 3D printer repair, Secure computing, low-level/embedded systems, camping, kayaking, biking, skateboard photography