

Jacob Trock

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11 Elizabeth Drive, Westport CT

Available for Co-op: January - June 2023

EDUCATION

Northeastern University, Boston, MA

[GPA 2.8 / 4.0] (2020 - 2024)

Combined Major

- **Bachelors of Computer Sciences, Khoury College**

- **Bachelor's of Business, D'Amore McKim School of Business**

Computer Science Classes: Fundamentals 1+2(Java), Discrete structures, Math reasoning,
Object oriented design, Algorithms and data, Foundations of Cybersecurity

Staples High School, Westport, CT

[GPA 3.6 / 4.0] (2016 - 2020)

Activities: President Young Politicians League, Cross Country Track Team (3 years)

Awards: Lockheed Martin CodeQuest State Champion, Sikorsky STEM Challenge,
Embedded Systems Programming Award

COMPUTER KNOWLEDGE

Languages/Libraries: Typescript, Ecma, React, Node.js, JS, HTML, CSS, Bash, Java, Python, RegEx

Systems/Infrastructure: DevOps, Linux, Nixos, MongoDB, Docker, PostgreSQL, GraphQL
AWS services(CDK,EC2,RDS,...), Graphic design(adobe suite)

WORK EXPERIENCE

Phast Diagnostics - BioTech - Software/Hardware developer - Cambridge, MA

[Jan - Jun 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

Picstop - Social Media App - Back End Developer - Boston, MA

[Dec 2020 - Jan 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 - Tech Startup - Front End Developer - New York, NY

[Jun - July 2019]

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

PERSONAL AND ACADEMIC PROJECTS

ServiceEngine - Created NoCode File Processor

[Jan 2021 - Present]

- Invited to TechCrunch Disrupt
- Only Freshman Finalist in Northeastern Husky Startup Challenge
- Wrote an AWS Lambda+Cognito+RDS back end and React front end
- Validated ideas with customers and prototyped a template of program functions

CleanConnect - SaaS solution for tracking property damage

[Oct 2019 - Dec 2020]

- Wrote back end in Node.js with Express middleware
- Managed partner who wrote front end in React
- Devops: Deployed service to Amazon EC2 (Ubuntu 18, Nginx, mail server)

EXTRACURRICULARS

Northeastern Entrepreneurial Club - participant and contestant

[2020-Present]

Hillel - participant in events and religious ceremonies

[2020-Present]

NURE - Northeastern Real Estate Club Member

[2021-Present]

Furniture Design (metal welding and woodwork), Technology recovery and refurbishment, 3D
Printer repair, Low level and embedded systems programming, Kayaking, Biking, Hiking,
Political/Philosophical debate, Reading, Teaching and Community Service

More personal projects at <https://cleanconnect.us>