

# JONATHAN CHEN

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Co-Op Availability: January – August 2024

## EDUCATION

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**Northeastern University, Boston, MA**

**Sep 2021 – Present**

**Khoury College of Computer Sciences**

Expected graduation: May 2025

Candidate for B.S. Computer Science with Minor in Mathematics, University Honors Program

Cumulative GPA: 3.9/4.0

Relevant Coursework: Object-Oriented Design, Computer Systems, Algorithms, Linear Algebra

**Stuyvesant High School, New York, NY**

**Sep 2017 – Jun 2021**

## SKILLS

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Languages: JavaScript/TypeScript (React; Node; Jest), Java (JUnit), C, D, Python, HTML/CSS

Technologies: Git/GitHub, Unix/Linux, Jupyter Notebook, VSCode, Emacs, LaTeX, Microsoft Excel

## EXPERIENCE

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**Software Engineer Co-op Intern**, Technology Leadership Dev. Program

**Jan 2023 — Jun 2023**

*Travelers*

*Fully Remote*

- Developed a full-stack web app with React/Redux frontend and Node/AWS Lambda backend to manage outage notifications on customer-facing apps, streamlining prod-ops workflows
- Produced an interactive web app with three other co-ops to read and share internship takeaways
- Networked with technology leaders across teams to understand leadership strategies and roles

**Tech Lead**, Software Solutions

**Sep 2022 — Jan 2023**

*Northeastern Electric Racing*

*Boston, MA*

- Added features to a project management dashboard on GitHub built with React, Node, Express, and Prisma, used by 200+ engineers, winning awards in the Formula Hybrid+Electric Competitions
- Supervised a group of six developers, answering questions and providing constructive feedback through code reviews and weekly check-ins
- Scoped higher-level product design and feature decisions weekly with software leadership

**Teaching Assistant**, Fundamentals of CS 1

**Jan 2022 — May 2022**

*Khoury College of Computer Sciences, Northeastern University*

*Boston, MA*

- Reviewed functional programming practices in DrRacket's student languages with around 5 students semi-weekly for office hours to build confidence and conceptual understanding
- Guided a lab section of around 10 pairs of students on an assignment along with three co-TAs
- Provided detailed feedback on 4-8 homework assignments a week, as well as on exams

## PROJECTS

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**Image Processor**

**June 2022**

*Code available upon request.*

- Created a program with a partner using a Java Swing GUI to load and save images and apply over a dozen filters and modifications
- Designed with object-oriented patterns, JUnit testing, and a model-view-controller structure