

JONATHAN CHEN

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Co-Op Availability: January 2023 – June 2023

EDUCATION

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

Languages: Java, JavaScript (React, Node; Jest), TypeScript, Python, HTML, CSS

Technologies: Git/GitHub, MacOS (Unix) command line, VSCode, LaTeX, Emacs, LaTeX, Microsoft Office

EXPERIENCE

Tech Lead, Software Solutions

Sep 2022 – Present

Northeastern Electric Racing

Boston, MA

- Completing one high-priority ticket a week to improve user experience and capabilities of a project management dashboard on GitHub built with a stack including React, Node, Express, and Prisma
- Checking up on progress of a group of six developers, answering questions and providing constructive feedback through code reviews and weekly check-ins
- Discussing higher-level product design and feature decisions weekly with software leadership

Developer, Software Solutions

Jan 2022 – Sep 2022

Northeastern Electric Racing

Boston, MA

- Contributed to a project management website in TypeScript as part of a full-stack scrum squad
- Improved organizational capability of project management of the club, leading to a second-place award in the 2022 Formula Hybrid+Electric Competition
- Communicated standup and explored codebase in weekly meetings with the software team

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

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