

# JONATHAN CHEN

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## EDUCATION

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**Northeastern University, Boston, MA** **Sep 2021 – Present**  
**Khoury College of Computer Sciences** Expected graduation: April 2025  
Candidate for B.S. Computer Science with Minor in Mathematics, University Honors Program  
Cumulative GPA: 3.9/4.0  
Relevant Coursework: Software Engineering, Artificial Intelligence, Algorithms, Systems Security

**Stuyvesant High School, New York, NY** **Sep 2017 – Jun 2021**

## SKILLS

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**Languages:** Python (pandas, bs4), JavaScript/TypeScript (React, Node, Jest), Java, C, HTML/CSS  
**Technologies:** Git/GitHub, Unix/Linux, Jupyter Notebook, VSCode, MongoDB, Milvus, Microsoft Excel  
**Certifications:** **Splunk** Core Certified Power User (Jul 2024)

## EXPERIENCE

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**Teaching Assistant**, Fundamentals of CS 1 **Jan 2022 – Present**  
*Khoury College of Computer Sciences, Northeastern University* *Boston, MA*

- Clarifying functional program design principles with around 20 students weekly in office hours
- Leading a lab section of around 15 pairs of students to assess and promote collaborative practice
- Providing feedback to students and TAs via grading and metagrading for 15-30 assignments weekly

**Artificial Intelligence Co-op Intern**, Research IT **Jan 2024 – Aug 2024**  
*Regeneron* *Tarrytown, NY*

- Designed and built a Dash web app using Langchain language model architectures such as retrieval-augmented generation to synthesize qualitative information from over 300 pathology reports
- Iterated with pathology researchers to gather feedback from over 85 chat sessions to direct next steps
- Built Splunk dashboard to search keywords and visualize trends in ServiceNow incidents

**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.js AWS Lambda backend API to manage outage notifications on customer-facing apps, streamlining prod-ops workflows
- Produced an interactive web app to allow co-ops from different years to share internship takeaways

**Tech Lead**, Software Solutions **Sep 2022 – Jan 2023**  
*Northeastern Electric Racing* *Boston, MA*

- Enhanced features on a project management dashboard built with React, Node, Express, and Prisma, used by 200+ engineers, winning awards in the Formula Hybrid+Electric Competitions
- Supervised scrum teams of 3 to 8, promoting good practices via code reviews and weekly check-ins
- Scoped higher-level product design and feature decisions weekly with software leadership

## PROJECTS

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### Daily Email Reminder

- Automated a helpful morning email leveraging APIs provided in Google Apps Script, as well as external APIs, to send reminders for tasks to do (Sheets), events (Calendar), weather, and more