

JONATHAN CHEN

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EDUCATION

Yale University | *New Haven, CT*

Aug 2025–May 2026 (expected)

Incoming Candidate for M.S. Computer Science

Northeastern University | *Boston, MA*

Sep 2021–Apr 2025

B.S. Computer Science (Concentration: AI) and Minor in Mathematics

GPA: 3.95 | *Courses:* Computer Systems, Systems Security, Programming Languages, Algorithms

SKILLS

Languages: Python (pandas, NumPy), JavaScript/TypeScript (React, Express), 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

Northeastern University | *Boston, MA*

Jan 2022–Apr 2025

Teaching Assistant, Fundamentals of CS 1

- Clarified unit testing and program design principles with around 20 students weekly in office hours
- Led a lab section of around 15 pairs of students to practice collaborative work and code reviews
- Provided feedback to students and TAs via grading and metagrating for 15-30 assignments weekly

Regeneron | *Tarrytown, NY*

Jan 2024–Aug 2024

Artificial Intelligence Co-Op Intern, Research IT

- Designed and built a Dash web app proof-of-concept using LangChain large language model (LLM) techniques such as prompt engineering and retrieval-augmented generation (RAG)
- Preprocessed and loaded over 300 pathology reports into a Milvus vector database for RAG
- 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

Travelers | *Remote*

Jan 2023–Jun 2023

Software Engineer Co-Op Intern, Technology Leadership Development Program

- Developed a well-tested full-stack web app with React/Redux frontend and Node.js REST backend API on AWS Lambda to manage outage plans on customer-facing apps, streamlining prod-ops workflows
- Produced an interactive web app with three other co-ops to read and share internship takeaways

Northeastern Electric Racing | *Boston, MA*

Sep 2022–Jan 2023

Technical Lead, Software Solutions

- Enhanced features and tests on a project management dashboard built with React, Node, Express, and Prisma, used by 200+ engineers, winning awards in the Formula Hybrid+Electric Competitions
- Triaged product proposals into 48 tickets on GitHub Projects, adding scope and difficulty estimations
- 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

Personal Librarian Agent

- Co-created an LLM-based Gradio chatbot using the OpenAI API and a tool using Google Books' API
- Generated and evaluated the agent on benchmarks to test search and result accuracy of prompts