

STEVEN NGO

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EDUCATION

NORTHEASTERN UNIVERSITY

Bachelor of Science in Computer Science

GPA: 3.80/4.00 | Honors: Magna Cum Laude; Dean's List; Dean's Scholarship

Relevant Coursework: Software Engineering, Object-Oriented Design, Computer Systems

Boston, MA

Sept 2020 – May 2024

PROFESSIONAL EXPERIENCE

KHOURY COLLEGE OF COMPUTER SCIENCES

Teaching Assistant

- Supported instructors and students in Fundamentals of Computer Science I (CS2500) and Algorithms & Data (CS3000)
- Facilitated student learning by holding regular office hours and assisting with assignments to ensure understanding
- Conducted timely assessments of assignments and exams, delivering constructive feedback

Boston, MA

June 2022 – May 2024

WISE SYSTEMS, INC.

Software Engineer Co-op

- Developed backend solutions for real-time optimization and data analysis platform with Node.js
- Integrated webhooks and APIs to enable real-time notifications and communication between clients
- Conducted thorough testing using Mocha and Python scripts to ensure the functionality of components
- Enhanced data ingestion/analysis infrastructure for efficient processing of large datasets in MongoDB

Cambridge, MA

Jan 2022 – May 2022

WORCESTER POLYTECHNIC INSTITUTE

Data Analyst Intern

- Collaborated on the development of an Android application alongside Professor Bengisu Tulu, contributing insights through data analysis
- Employed Pandas, NumPy, and SciPy to perform statistical analyses on app data
- Crafted visualizations to communicate key findings to professors and graduate students from WPI and UConn

Worcester, MA

May 2019 – Aug 2019

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C++, Racket/Scheme, HTML

Frameworks: Node.js, Flask, Express, Next.js, React, Django

Databases: MongoDB, MySQL, PostgreSQL, Neo4j

Methodologies: Agile/Scrum, Test-Driven Development, Object-Oriented Programming

PROJECTS

INSTAGRAM FOLLOWER CHECKER | React, Vite, Tailwind CSS

Apr 2024

- Designed a web app to analyze Instagram follower data, identifying users who do not reciprocate follows
- Constructed with React, Vite, and Tailwind and deployed on GitHub Pages
- Engineered and implemented an efficient list algorithm to compare usernames in uploaded JSON files

SIX DEGREES OF SPOTIFY | Python, Neo4j

Mar 2024

- Created a Python application leveraging the Spotify API to analyze the collaboration network between artists
- Implemented a graph database using Neo4j to model relationships between artists and tracks
- Applied breadth-first search to determine the shortest path between two artists via collaborations with Neo4j Cypher Query

PERSONAL PORTFOLIO | Next.js, Tailwind CSS

Dec 2023

- Developed a personal portfolio website to showcase my skills, education, experience, and projects
- Employed server-side rendering (SSR) capabilities of Next.js for optimal performance and SEO benefits
- Integrated Tailwind CSS framework for consistent styling and optimal viewing