

Nitsa Kanungo

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EDUCATION

Northeastern University, Boston, MA

Sep 2021 – Present

Khoury College of Computer Sciences

Expected Graduation: May 2025

Candidate for a Bachelor of Science in Computer Science and Business Administration

GPA: 3.9/4.0

Coursework: Object-Oriented Design | Algorithms and Data | Database Design | Computer Systems
Programming in C++ | Corporate Finance | Financial Management

Honors: Dean's List, National Recognition Scholarship

TECHNICAL KNOWLEDGE

Languages: *Proficient in:* Java, C++, SQL, Racket/Scheme | *Familiar with:* C, Assembly, Python, R

Applications: Azure DevOps | Eclipse | IntelliJ | Visual Studio Code | Docker

WORK EXPERIENCE

Northeastern University, Boston, MA

Sep 2023 – Present

Lead Teaching Assistant for Fundamentals of Computer Science II

- Prepare lesson plans for and lead weekly supplemental lab classes for 30+ students
- Clarify concepts with students one-on-one during 5+ office hours per week

Verisk - Extreme Event Solutions, Boston, MA

Jan 2023 – Jun 2023

Core Quality Assurance Co-op

- Performed performance and integration testing on company's flagship product, Touchstone
- Automated manual testing processes via R scripts
- Participated in Scrum/Agile practices and presented at weekly meetings

Northeastern University, Boston, MA

Sep 2022 – Dec 2022

Teaching Assistant for Fundamentals of Computer Science II

- Facilitated weekly supplemental lab classes for 30+ students
- Clarified concepts with students one-on-one during 4+ office hours per week
- Provided feedback on in-class exercises, assignments, and exams

PERSONAL AND ACADEMIC PROJECTS

Sudoku Generator & Solver

Dec 2023

- C++ sudoku game that integrates Simple DirectMedia Layer and Boost libraries
- Randomly generates puzzles of any size that can be played by the user by clicking and typing
- Utilizes serialization to allow saving and loading of game states
- Solver Mode can finish any partially completed sudoku puzzle as input by the user

NUHire

Dec 2022

- Re-imagined program of Northeastern University's co-op and job-searching platform via a database
- Integrates SQL, Python (Flask), and AppSmith to create a full-stack application
- Supports 12 database tables, 3 user personas, and 20+ get/post routes

Image Processor

Jun 2022

- Java program able to load, edit, and save images on the user's device using a GUI or command line arguments
- Supports operations such as vertical/horizontal flip, blurring, brightening, and color transformations
- Features a histogram of RGB values in the image, which updates with every transformation

EXTRACURRICULAR INVOLVEMENT

Acting Out, Northeastern University

Jan 2022 – Present

Head of Finance

- Manage club budget and finances, lead general meetings, organize events and productions
- Promoting activism and bringing awareness to critical world issues through theatre

Women in Technology, Northeastern University

Sep 2021 – Present

- Fostering a community for women in technology through weekly Tech Talks and networking events