LUKE COLOMBO

Linked In URL · Website URL · colombo.l@northeastern.edu · Boston, MA Availability: May - December 2024

Education

Northeastern University, Khoun	ry College of Computer Sciences
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Candidate for B.S. in Computer Science & Cognitive Psychology

Boston, MA May 2025

GPA: 3.60/4.0, Dean's List

Relevant Coursework: Natural Language Processing (Python), Database Design (MySQL), Networks and Distributed Systems, Algorithms and Data, Mathematics of Data Models, Object Oriented Design (Java)

Technical Knowledge

Languages: Java | Python | MySQL | React | Javascript | Scheme/Racket | LaTeX | MongoDB Software: Github | Microsoft Excel | IntelliJ | Visual Studio Code | SPSS Statistics Skills: Git | TCP/IP Sockets | Command Line Scripting | HTTP | Machine Learning | NoSQL | OOD

Work Experience

Digital Ready Computer Science Studio Manager

- Supervised and mentored 20 high-school students in a Computer Science Bootcamp course, also supported the math and English courses
- Organized daily lectures and activities; created a curriculum focused on innovation and problem solving
- Oversaw deliverables such as a Python card game project, OpenCV project, and Google certificates in IT Support and UX Design

Safeway Courtesy Clerk

Larkspur, CA | Jul. 2020 - May 2021

Boston, MA | Jul. - Dec. 2023

- Facilitated cleaning of store, communicated between customers and managers in a fast paced environment
- Assisted with bagging groceries, self-checkout machines, and collecting carts

Personal & Academic Projects

Animal Shelter Database	April. 2024
• Developed an system to track animals, applications, and staff at an animal shelter using a SQL database	
• Utilized MySQL for back-end procedures and triggers, Python for front-end functionality via a command-line interface with unique views for managers, volunteers, and visitors	à
Connections Maker	Mar. 2024
• Creating an app to let people create their own NYT connections puzzles and send them to others	
\bullet Code written in React/HTML/CSS, app is hosted on the web using Firebase	
N-Gram Language Model	Feb. 2024
• Created a rule-based language model that generates text based on the previous n tokens	
• Written in Python with the numpy and matplotlib modules used for graphing and evaluation	
Distributed Database	Apr. 2023
• Developed and tested a distributed key-value database, supporting API calls from clients across	ss 5 replicas

• Enforced RAFT protocol for fault tolerance, consensus, and performance in object oriented Python

Extracurricular Involvement

Tastemakers Magazine: Writer of editorials and commentary on the music industry, albums, and concerts **Interests:** Proficient in Spanish, Jazz Piano, Mountain Biking, Urban Planning, Music Production, Basketball