

# LUKE COLOMBO

LinkedIn · [www.lukecolombo.bio](http://www.lukecolombo.bio) · [colombo.l@northeastern.edu](mailto:colombo.l@northeastern.edu) · Boston, MA · 415-849-8264

Availability: July - December 2024

## Education

---

**Northeastern University, Khoury College of Computer Sciences**

**Boston, MA**

*Candidate for B.S. in Computer Science & Cognitive Psychology*

May 2025

**GPA: 3.52/4.0**, Dean's List

**Activities:** Rock Climbing Club, Tastemakers Magazine, IM Sports (Volleyball, Soccer)

**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 | LaTeX | MySQL | Javascript | HTML | CSS | Scheme/Racket | React

**Software:** Github | Microsoft Excel | IntelliJ | Visual Studio Code | SPSS Statistics | MySQL Workbench

**Skills:** Cloud Computing | Git | TCP/IP Sockets | Command Line Scripting | HTTP | NLP

## Work Experience

---

**Digital Ready** *Computer Science Studio Manager*

Boston, MA | Jul. - Dec. 2023

- 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

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

**Soundwaves** *Piano/Drum Tutor*

Marin City, CA | Sept. 2019 - Mar. 2020

- Volunteered for a non-profit providing weekly music lessons to students at MLK Bayside Elementary
- Coordinated efforts to expand the program, increasing enrollment by 20% the next semester

## Personal & Academic Projects

---

**Distributed Database**

Apr. 2023

- Developed and tested a distributed key-value database, supporting API calls from clients across 5 replicas
- Enforced RAFT protocol for fault tolerance, consensus, and performance in object oriented Python

**Connect Four**

Dec. - Feb. 2023

- Designed program in Java to simulate Connect Four using MVC architecture and a Swing library GUI
- Incorporated the strategy design pattern to add algorithms that let user play against the computer

**FTP Client**

Jan. 2023

- Created a client that implements File Transfer Protocol using TCP/IP sockets and TLS in Python
- Runs in Unix terminal with command line arguments, processed with the argparse library

## 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

*References available upon request*