

Luke Colombo

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Availability: July - December 2023

ACADEMIC EXPERIENCE

Northeastern University, Khoury College of Computer Sciences

Boston, MA

Candidate for Bachelor of Science Degree in Computer Science and Cognitive Psychology

May 2025

GPA: 3.6/4.0, Dean's List

Awards and Activities: Rock Climbing Club, Spikeball Club, Tastemakers Magazine, IM Sports (Volleyball, Soccer)

Relevant Coursework: Networks and Distributed Systems, Algorithms and Data, Statistics, Object Oriented Design

Redwood High School

Larkspur, CA

GPA: 4.1/5.0

June 2021

Awards and Activities: Varsity Mountain Biking, Honor Roll, Advanced Jazz Band, Performance Workshop Best in Piano

TECHNICAL KNOWLEDGE

Languages: Java, Python, LaTeX, Javascript, React, HTML, CSS, Scheme/Racket

Software: Microsoft Excel, Github, IntelliJ, Visual Studio Code, SPSS Statistics

Skills: Cloud-Based Computing, Object Oriented Programming, HTTP, Command Line Scripting, TCP/IP Sockets

PERSONAL & ACADEMIC PROJECTS

Distributed Database:

April 2023

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

Connect Four Game:

December 2022 - February 2023

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

FTP Client:

January 2023

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

WORK EXPERIENCE

Safeway

Larkspur, CA

Courtesy Clerk

July 2020 - June 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

Marin City, CA

Piano and Drum Tutor

September 2019 - March 2020

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

EXTRACURRICULAR INVOLVEMENT

Tastemakers Magazine: Writer of editorials and commentary on the music industry, album releases, and concerts.

Interests: Proficient in Spanish, Jazz Piano, Mountain Biking, Sustainability, Music Production, Basketball