

# ELLAH NZIKOBA

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## EDUCATION

**Northeastern University**, Boston, MA

May 2023

**Khoury College of Computer Sciences**

GPA: 3.82/4

Master of Science, Computer Science

**Related courses:** Object-Oriented Design, Computer Systems, Algorithms and Data Structures, Software Engineering, Artificial Intelligence, Database Management, Web Development

**Tufts University**, Medford, MA

2019

Bachelor of Science, Biochemistry

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, HTML/CSS, C++, JavaScript, Swift, Objective-C

**Tools/Frameworks:** Git, React, Node.js, Xcode, SwiftUI, MongoDB, Heroku, Netlify, MySQL

## EXPERIENCE

**Apple**, Cupertino, CA

July 2022 – December 2022

Software Development Engineer Intern – Wireless Technologies & Ecosystems

- Designed and developed new features for the Home app and HomeKit framework for iOS and tvOS devices using Objective-C, Swift and SwiftUI

**Northeastern University - Khoury College of Computer Science**, Boston, MA

September 2021 - May 2022

Graduate Teaching Assistant

- Provided academic support to graduate students in the Intensive Foundation in Computer Science (Python) and Object-Oriented Design (Java) courses
- Conducted weekly office hours and one-on-one tutoring sessions to review concepts and provide additional support for students making a transition into Computer Science
- Led weekly lab sessions to further strengthen students' understanding of new programming concepts

**Beth Israel Deaconess Medical Center**, Boston, MA

July 2019 - August 2020

Research Assistant I - Endocrinology

- Aided scientists in conducting research aimed at understanding the molecular mechanism of insulin resistance
- Managed over 20 lines of mice by monitoring and maintaining inventory, regular breeding, and housekeeping

## PROJECTS

**Personal Project**, Coffee&Cream App (React, Node.js, MongoDB, SASS)

March 2022 - April 2022

- Designed and developed a React web application for placing and managing orders at a fictional cafe
- Built using a Node.js/Express backend to asynchronously send and retrieve data from a MongoDB database using REST API
- Deployed on Heroku and Netlify: <https://coffeecream.netlify.app/>

**Personal Project**, Essentials (JavaScript, React, HTML/CSS, SASS)

October 2021 - December 2021

- Developed a web application with five essential tools: weather app, to-do list, stopwatch, timer, and calculator
- Implemented as a React application utilizing an API to update weather data based on location
- Deployed on Github pages: <https://nzielln.github.io/essentials/>

**Software Engineering**, Collaborative Paint App (C++, SFML, Nuklear)

September 2021 - December 2021

- Collaborated with a team to build a painting application that allows multiple users to draw on a shared canvas
- Implemented a TCP server network to handle data and communication between multiple clients

**Object-Oriented Design**, Easy Animator (Java, Java Swing GUI)

January 2021 - May 2021

- Created an application that parses user input to create various representations of animations including SVG and an interactive view