

# JEFFREY LI

[jhl4@andrew.cmu.edu](mailto:jhl4@andrew.cmu.edu) ♦ +1 (858) 798-6134 ♦ [linkedin.com/in/jeffreylie0](https://www.linkedin.com/in/jeffreylie0)

## EDUCATION

---

### Carnegie Mellon University

B.S in Information Systems, Additional Major in Computer Science

Pittsburgh, PA

GPA: 3.64/4.00

### Relevant Courses:

Expected Graduation: May 2025

*Current:* **17-214:** Software Construction (Java, Typescript, Software Design, Unit Testing, Concurrency)

**67-262:** Database Design and Development (SQL, PostgreSQL, MongoDB, Redis)

*Completed:* **15-150:** Functional Programming (Standard ML), **15-122:** Imperative Programming (C),

**21-127:** Mathematical Concepts and Proofs, **21-259:** Calculus in 3 Dimensions

**21-241:** Matrices & Linear Transformations, **67-250:** IS Milleux (HTML, CSS, JavaScript, SQL)

## SKILLS

---

**Languages:** Python, Java, C, HTML/CSS, Javascript, Typescript, R, Standard ML, SQL, Swift

**Technical Skills:** Front-end Web Development, Database Design, Data Parsing, Swift/iOS Development

**Developer Tools:** Git, LaTeX, VSCode, Collab, Bootstrap, Node.js, Pandas, NumPy, XCode

## TECHNICAL EXPERIENCE

---

### Data Analyst Intern

May 2023 - August 2023

Nischal Sports Group

Pittsburgh, PA

- Utilized BeautifulSoup, NumPy, Pandas python libraries (Web Scraping) to obtain rich datasets of soccer stats
- Modeled data visualizations for player performance with Matplotlib, Plotly python libraries and Looker Studio
- Leveraged Computer Vision (CV) via YOLOv5 model and ByteTrack to improve data collection time

## PROJECTS

---

### My To-do List - iOS App

- Developed a To-do List application with XCode and utilizing CoreData and Swift
- Improved app appearance by creating a clean user interface with SwiftUI
- Incorporated utility to save, retrieve, and delete data from local database through management of list items

### Flashcard Learning System - Interactive Command-Line Interface

- Developed Flashcard system to help user study information with flashcards with Java and Typescript
- Utilized Apache Commons CLI library and yargs library to create command-line interface and parse user options
- Built methods to determine flashcard ordering, repetitions, etc. to customize UX based on user options

### Current Top Songs Receipt - Web Application

- Developed a web app that generates a list of a user's favorite songs on Spotify over custom time period
- Employed Spotify web API to retrieve metadata from Spotify track and artist history
- Used spotipy python library to handle user authentication for obtaining Spotify user information

## LEADERSHIP/EXTRACURRICULAR

---

### Resident Assistant at Carnegie Mellon University

May 2023 - August 2023

- Supervised safety of 50+ students in dorm, Managed building administrative duties, and Planned student events

### Vice President of Operations at Blue Owl Learning Nonprofit Organization

July 2020 - June 2022

- Directed day-to-day operations for a tutoring service of 60+ tutors for 120+ students
- Coordinated interview process of 200+ tutors to see if they were fit to tutor children and partnered with local community centers to offer tutoring service