

JEFFREY LI

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EDUCATION

Carnegie Mellon University

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

Pittsburgh, PA

GPA: 3.64/4.00

Relevant Courses:

Current: **17-214:** Software Construction (Software Engineering, Software Design, Unit Testing, Concurrency, OOP)
 67-262: Database Design and Development (SQL, PostgreSQL, MongoDB, Redis)
Completed: **15-150:** Functional Programming (Standard ML), **15-122:** Data Structures and Algorithms (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, Linux/Unix, VSCode, React, 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 Tasks - *iOS App*

- Developed a task manager app to manage daily tasks with XCode and utilizing CoreData and Swift
- Improved app appearance by creating a clean user interface with SwiftUI framework
- Incorporated utility to save, retrieve, and delete data from local database through management of task 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