

Wilson Chan, PT, DPT

New York, NY • (347) 622-1971 • wilsonckmchan@gmail.com • github.com/wilsonckm

Practicing physical therapist with 5 years of combined academic and professional experience in fitness and health seeking to transition into a career in software engineering utilizing strong analytical skills, adaptability in fast-paced environments, and passion for the healthcare field

Technical Skills

Languages: Python, JavaScript, HTML, CSS, SQL, Mongo, JSON, EJS

Libraries and Frameworks: React, Express.js, Django, JQuery, Bootstrap

Databases and other: PostgreSQL, MongoDB, RESTful Routing, JSON API

Technical Projects

App Name - [GitHub](#) | [Exercise Co](#)- React | Firebase | Node.js | Bootstrap

Single-page exercise webapp to allow authenticated users to keep track of exercises

- Implemented user authentication and authorization to ensure secure access to the app.
- Created a responsive user interface using Bootstrap, ensuring a seamless experience across different devices.
- Implemented real-time updates using Firebase to provide users with instant feedback on changes on the database

App Name - [GitHub](#) | [RepOne](#) - HTML | MongoDB | Express | Node.js | CSS

Exercise web app to help keep track of exercises and filters within an API for new exercises to add.

- Implemented a MongoDB database to store exercises, enabling efficient data retrieval and storage.
- Designed API integration to fetch new exercises, enhancing the app's exercise library.
- Utilized Express.js to build a robust backend that handles routing and API requests.

App Name - [GitHub](#) | [Exercise Tracker](#)- HTML | Python | Django

CRUD exercise web app to allow individuals to share exercises.

- Enabled users to log in, create, edit, and delete exercises, fostering better exercise management.
- Created a responsive front-end interface using Materialize to ensure an engaging and user-friendly experience.
- Utilized Django's Model-View-Controller (MVC) architecture to implement the CRUD functionality.

Professional Experience

Kins Physical Therapy – Per diem

August 2022 - Current

Concierge Physical Therapist

- Developed and implemented treatment plans for patients with musculoskeletal and neurological conditions via consumer-grade digital platform to promote access and adherence
- Sustained evidence-based practices in biopsychosocial care while improving patient-reported outcomes from initial visit by 77% prior to discharge
- Implemented product management principles, such as pre-post testing and customer feedback analysis, to continuously enhance patient engagement, satisfaction, and outcomes
- Conducted evaluative testing in 100% of patients using functional outcome measures, patient-reported outcomes, and movement screening to assess efficacy of treatment plan and inform future sessions.

Education

General Assembly

Expected Completion: August 2023

Full-stack software engineering 420+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

Touro College, Doctoral Degree - Doctor of Physical Therapy

August 2018 - September 2021

University of Pittsburgh, Bachelor of Science - Rehabilitation Science

August 2013 - April 2017