

Jack Vu

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WORK EXPERIENCE

Endomance

Fairfax, VA

Data Analyst

Oct 2022 - Dec 2023

- Analyzed participant engagement data from partnering clinics to identify key trends and insights, leading to a **15% increase in study retention rates**.
- Resolved complex participant concerns and challenges through **effective communication** and **problem-solving** skills, leading to a 10% increase in overall satisfaction with the study process.
- Identified and addressed fraudulent activity in study data through detailed analysis, leading to the implementation of new security protocols that **reduced error-related costs by 20%**.

The Center for Physical Therapy and Sports Medicine

Chester, VA

Physical Therapist Technician

Jul 2021 - Feb 2022

- Utilized **active listening** skills and **empathy** to build strong relationships with patients, leading to a 20% increase in patient satisfaction scores.
- Managed rehabilitation sessions for up to 6 patients concurrently, overseeing exercise routines, and providing real-time feedback from patients during sessions. Resulting in a 10% decrease in recovery time and a 25% increase in successful rehabilitation outcomes.

Pivot Physical Therapy

Richmond, VA

Physical Therapy Aide

Nov 2020 - Jul 2021

- Scheduled patient exercises strategically to minimize wait times between appointments, resulting in a 90% decrease in conflicting schedules.
- Utilized visual aids and **hands-on demonstrations** to teach proper form for therapeutic exercises, resulting in a 90% adherence rate among patients.

PROJECT EXPERIENCE

Coding With Callie

Remote

Project Planner | <https://github.com/Jack-Vu/CWC-Project-Planning-Tool/>

Sep 2024 - Dec 2024

- Utilized **TypeScript**, **NestJS**, **PostgreSQL**, **TypeORM**, **Chakra UI**, and **React** to develop a user-friendly project planning tool.
- Extensive **user input validation**, on both frontend and backend, to ensure **data integrity** and security, reducing potential breaches.
- Conducted rigorous **manual end-to-end testing** and **automated unit testing** using **Jest**, resulting in a 20% decrease in overall bugs found at the time of deployment.

Re:boot

Remote

Bazaar | <https://github.com/Re-boot-Coding-Bootcamp/Bazaar>

May 2024 - Jun 2024

- Collaborated with team members to integrate **Redux** for **state management**, resulting in a 50% decrease in repetitive code and a 25% increase in overall code quality.
- Constructed 70% of project **API endpoints** using **tRPC** framework with a **Zod schema**, resulting in a 50% improvement in application performance.

TwistaGram | <https://github.com/Re-boot-Coding-Bootcamp/TwistaGram/>

Mar 2024 - Apr 2024

- Developed and implemented interactive user interface features for a social media application using **HTML**, **CSS**, **JavaScript**, **TypeScript**, **React**, **Material UI**, **Storybook**, **Git**, and **Next.js**.
- Collaborated with back-end developers to seamlessly integrate frontend design elements with backend functionality resulting in a 30% improvement in overall application functionality.
- Led cohort in identifying and resolving technical blockers, resulting in a 20% increase in development velocity and on-time project delivery for 5 consecutive sprints

SKILLS

Programing Languages: **HTML** | **CSS** | **TypeScript** | **JavaScript** | **SQL**

Technologies/Frameworks: **React.js** | **NestJS** | **Next.js** | **Node.js** | **Storybook** | **Chakra UI** | **Tailwind CSS** | **Bootstrap** | **Material UI** | **Redux** | **Git** | **tRPC** | **PostgreSQL** | **MySQL**

EDUCATION

Virginia Commonwealth University

Richmond, VA

Bachelor's of Science - BS, Biochemistry

2016 - 2019