

# MATTHEW TRAN

SOFTWARE ENGINEER

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## PROFESSIONAL SUMMARY

Passionate, adaptable Software Engineer with experience building full stack applications with Python, Flask, Javascript, React, SQL databases, and RESTful API architecture.

Skilled in problem-solving, able to adapt quickly to changing circumstances and find innovative solutions. Strong technical skills and passion for creating efficient and effective software solutions.

## EDUCATION

### Flatiron School

New York, NY January 2024  
• Software Engineering Certification.

### Howard University Medical School

Washington, DC. June 2023  
• Completed two years of medical studies.  
• Focused on anatomy, microbiology, pharmacology, physiology, and pathology.  
• Gained valuable knowledge and skills in medical terminology and clinical patient care.

### National Institute of Health, FAES Graduate School

Bethesda, MD May 2020  
• Coursework in Infectious Diseases and Pharmacology.

### University of Maryland Baltimore County

Baltimore, MD June 2014  
• Bachelor of Arts in Biology, Minor in Entrepreneurship

## SKILLS

→ HTML  
→ CSS  
→ JavaScript  
→ React  
→ Python  
→ Flask  
→ SQLAlchemy  
→ RESTful API architecture  
→ Problem-solving  
→ Teamwork

## TECHNICAL PROJECTS

### Game Launch Page

[GitHub Link](#) | [Demo](#)

A Game Launch Page using React, blending dynamic visual effects, interactive forms, and a countdown timer for engaging user experience.

- Implemented React Router for seamless navigation.
- Integrated JSON-server for RESTful API, executing GET and POST requests.
- Mastered state management using React hooks, ensuring real-time UI updates.

### Fitness Tracker

[GitHub Link](#) | [Demo](#)

A Fitness Tracker CLI application, allowing users to create, manage workouts, and track exercises with a robust set of commands.

- Utilized Python ORM for a dynamic database with one-to-many relationships.
- Structured user-friendly CLI menus for seamless interaction.
- Ensured input validation and error messaging for a robust user experience.

### Personal Finance Tracker

[GitHub Link](#) | [Demo](#)

A personal finance tracker that allows users to manage accounts, track budgets, record expenses, and set savings goals.

- Utilizes a Flask API backend with a React frontend.
- Provides full CRUD actions for a resource.
- Implements React Router for three client-side routes.
- Connects the client and server using fetch().

## EXPERIENCES

Howard University School of Medicine Washington, DC  
Neurology Department, Research Assistant June 2019

- Conducted patch clamp experiments, contributing to studies on auditory development and mental disorders in mice.

Shady Grove Ophthalmology Gaithersburg, MD  
Medical Assistant/Surgical Technician April 2018

- Assisted in LASIK surgery, performed OCT and Pentacam technology operations.
- Educated patients on pre- and post-operative care.

Baltimore Washington Medical Center Baltimore, MD  
Emergency Department Medical Scribe June 2015

- Utilized Epic for real-time medical documentation in the emergency room, supporting efficient patient care.