MATTHEW TRAN

SOFTWARE ENGINEER

📞 (240) 515-5681

✉ tran.h.matt@gmail.com

📍 College Park, MD

🌐 www.matthewtran.me

linkedin.com/in/matthew-d-tran

https://github.com/tran-matt

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.