

Taha Amir

Houston, TX | (832) 528-5827 | tahashah61@gmail.com | linkedin.com/in/taha-amir | tahaamir.com

EDUCATION

University of Houston

Bachelor of Science in Computer Science, Minor in Mathematics

Houston, TX

Aug 2021 – May 2025

Coursework: Artificial Intelligence, Machine Learning, Database Systems, Operating Systems, Data Structures

EXPERIENCE

Paycom

Software Engineer

Dallas, TX

Jun 2025 – Present

- Developed full-stack CRM features using React and PHP MVC for Paycom's internal platform, strengthening client-data operations, personnel management, and operational workflows serving **7M+ individuals**.
- Implemented PHP/SQL hierarchy validation and role-handling logic for the Paycom Personnel Table, improving hierarchy accuracy by **20%** through enforced business rules across client and supervisor structures.
- Improved CRM data reliability and debugging efficiency by **25%** through SQL analysis, log-driven investigation, and cross-environment validation while resolving production issues.
- Automated regression coverage for core CRM workflows, reducing manual testing effort by **20%** and improving release confidence by building and maintaining scheduled test suites in Selenium and Playwright.

Klein Training App

Software Engineer Intern

Austin, TX

May 2024 – Jun 2025

- Built a full-stack cohort analytics dashboard using Python, Flask, and Firebase for the data science team, enabling self-serve retention and subscription analysis across **3,500+ users** while reducing manual reporting by **35%**.
- Automated Firebase data export, parsing, and normalization pipelines for user and payment datasets using Python and Pandas, improving data quality and streamlining recurring analyses for internal reporting.
- Analyzed user demographics, pricing trends, and subscriber behavior through weekly statistical workflows in Python, Pandas, and R to support growth strategy, segmentation, and pricing decisions.

PROJECTS

NouriCare | Expo, React Native, TypeScript, Supabase, PostgreSQL, OpenAI, Vercel

Jan 2026 – Present

- Developed a full-stack mobile platform for home enteral feeding that converted static care instructions into a shared workflow for regimen management, caregiver coordination, feed logging, and supply tracking.
- Designed and implemented Supabase/PostgreSQL data models and TypeScript client workflows for multi-user access, regimen version control, structured activity logs, and real-time updates, integrating OpenAI-powered document extraction, summarization, tagging, and supply forecasting with user verification safeguards.

RAG Portfolio Assistant | Next.js, TypeScript, OpenAI, Supabase, pgvector

Feb 2026 – Mar 2026

- Built a retrieval-augmented portfolio assistant that embedded resume and project content into a Supabase pgvector store using OpenAI embeddings, enabling semantic search across structured career data.
- Optimized retrieval quality and LLM context efficiency by injecting the top **8** relevant chunks per query, reducing prompt token usage by **80%** compared to full-context prompting while preserving answer accuracy.
- Engineered a Next.js API route for embedding, vector search, and LLM completion in a single request cycle, with session tracking, token logging, and strict out-of-scope query rejection to improve reliability and response control.

AthleteSimX | C++, OOP, File I/O

Oct 2025 – Nov 2025

- Built an object-oriented athlete simulation in C++ using inheritance and polymorphism, managing shared state in a base Athlete class and extending sport-specific behaviors across boxing, basketball, and soccer subclasses.
- Implemented a menu-driven simulation loop with randomized stat progression, threshold-based retirement conditions, and save/load persistence via file I/O, enabling reusable gameplay flows across multiple athlete types.

SKILLS

- **Programming Languages:** Python, TypeScript, JavaScript, SQL, Java, C++, C#, PHP, R
- **Frameworks & Libraries:** React, Next.js, React Native, Expo, Flask, Pandas, NumPy
- **AI/ML:** OpenAI, RAG, LLMs, Embeddings, Vector Databases, PyTorch, TensorFlow, LangChain
- **Tools:** REST APIs, Git, GitHub, GitLab, Supabase, Firebase, Vercel, Playwright, Selenium, Cursor, Claude
- **Databases/Cloud:** PostgreSQL, MySQL, MongoDB, AWS (S3, Lambda, RDS), Docker, Kubernetes, Jenkins
- **Certifications:** ISTQB Certified Tester – Foundation Level