Samuel Matlock

Software Developer, NYC

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github.com/samuelmatlock

Software Engineer seeking opportunities in NYC; office, hybrid, or remote. Open, conscientious, and agreeable. Military child - uniquely adept in change and reliability.

EXPERIENCE

FAST Enterprises — UT
Implementation Consultant (Software Developer) — 2023 - 2024
- Accelerated Commission's response time by 50% by launching reworked Utah business registration in Visual Basic.
- Removed over 30% of clicks for state-wide IIT returns by refactoring the front-end of Utah's public-facing site.
- Satisfied 180+ code reviews in Visual Basic by applying coding standards with end-to-end & performance testing.
- Trained 8 public-facing state employees regularly on 20+ features I launched through our SCRUM cycle.
- Saved 40+ state employees' time by optimizing 30-40 SQL script reports in a relational MS SQL server.
- Presented 10-15 Visual Basic software changes to management and state employees with clear, succinct info.

Magikid Robotics & Code Ninjas — CA
Coding Instructor I & II — 2021 – 2023
- Instructed 7 Python, JavaScript, and Scratch courses for K-12 students learning coding & robotics.
- Built 84 units of company-wide curriculum for Python & Lua while advertising coursework to 100's of clients.
- Mentored 300+ high-schoolers learning VEX IQ/EXP Robotics & basics of object-oriented programming.

Tech Elevator — Remote
Software Engineer Cohort — 2021 – 2022
- Coded roughly 18,000 lines for full-stack apps in Java, SQL, Node.js, REST APIs, and more with Senior Developers.
- Practiced core developer tools like command line interfaces, git version & source control, and debugging/testing.
- Led 20-30 group programming sessions and was chosen to present capstone project to senior leadership and peers.

El Paso Chamber of Commerce — TX
Software Engineering Intern — 2019
- Fostered efficient team work by collaborating with 3 cross-functional teams to gather requirements, & define scope.
- Designed high quality media for client events in Adobe Suite and studied database configuration for 400+ customers.

PROJECTS

- **Student Management System (Java, Apache, MySQL, XAMPP, MyPHPAdmin, Git)** Reduces Magikid Robotics management's registration errors by roughly 50% by storing data in relational database. Streamlines instructor operations by sorting student information leading to better student-instructor relationships.

- **'NimBot' Chat AI (Python, Gpt-3.5-turbo, Repl.it, Discord.py, Webhooks)** Real-time interactive text bot that plugs into any Discord server and offers GitHub repo monitoring and more. Emulates ChatGPT using discord.js and a Rest API connected to the gpt-4 model from Open AI.

- **3D List Visualizers (Next.js, TypeScript, Chakra, MDX, Vercel, Git)** 3D interactive and responsive display of books, music, and movies using conditional rendering and CSS transformations. Leverages React's stateful logic to manage user interactions and list display statuses. Hosted at samuelmatlock.com.

EDUCATION

University of California, Irvine — CA
Bachelor of Arts in Political Science — 2018 - 2022

Programming Courses — Online
Harvard CS50, MIT OpenCourseWare, CodeAcademy, Udemy, Linear Algebra, & More — 2014 - Now

VOLUNTEERING

Software Judge for VexIQ Robotics — CA
Conducted software reviews and inspections for 80+ students competing in regional championship.

Orange County Parks Guide — CA
Trail maintenance, invasive species removal, guided hiking, litter collection, etc.