Alex Terskin

terskinalex@gmail.com ‖ 301-775-9016 ‖ Personal Website ‖ Linkedin ‖ GitHub

EDUCATION

University of Maryland, College Park   Graduated Winter 2024
Bachelor of Science, Computer Science;
Honors and Awards: Dean's list 2021

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, TypeScript, C, Ruby, SQL, Dart, OCaml, Rust, XML
Frameworks: React, JUnit4, Node.js, FastAPI, Next.js, Three.js, PyTorch, Apache, Angular, SpringBoot
Developer Tools: Vercel, Git, Android Studio, MySQL, BitBucket, Pandas, Postman, Swagger, Jenkins
AI Tools: Chat-GPT3, Cursor, O1-Preview, Claude 3.5

PROFESSIONAL EXPERIENCE

Engauge   College Park, MD
Education Technology Startup   Summer 2024
Software Developer Intern
- Designed a comprehensive tech stack to support MVP development, utilizing the FERN stack (Google Firebase, Express.js, React, Node.js). This choice was driven by the need for long-term scalability and performance optimization, aligning with our goal of building a highly scalable web application
- Developed both frontend and backend components, including a multi-factor login/registration system using React, JSX, and Google Firebase; a payment processing component using Stripe's payment processing API; and a teacher-student chat feature closely resembling a Twitch chat for enhanced interaction
- Successfully pitched a high-fidelity prototype and secured $60,000 in funding from investors

FINRA   Rockville, MD
Financial Industry Regulatory Authority   Summer 2022
Software Developer Intern
- Built multiple RESTful backend services using Java's Spring Boot framework to retrieve needed information from FINRA's technology division's development and testing databases
- Collaborated with frontend engineers to design a UI that monitors the health status of FINRA's E-FOCUS system using Angular, HTML, and CSS, providing the system health status in an easy to read dash-board format
- Learned the application DB model and relevant table relationships to build and test native SQL queries. Engineered and loaded test data to perform testing using AdminSQL and Postman

PROJECTS

Green Acres Landscaping   Github | View Project
- Engineered and deployed a modern business website using Next.js, TypeScript, and Tailwind CSS, resulting in a 100% reduction in hosting costs by migrating to Vercel's platform
- Redesigned and optimized contact forms through iterative improvements based on Google Analytics conversion data, resulting in a 20% increase in form submission rates and enhanced lead quality for the business

ZIP Code Analyzer for First-Time Home Buyers - GMU Hackation   Github | View Project
- Created an interactive full-stack application using Next.js, TypeScript, FastAPI, and MapGL JS that helps first-time home buyers find optimal ZIP codes in Fairfax County, VA, based on customizable user criteria

Personal Website   Github | View Project
- Developed a captivating 3D personal website utilizing Vite, Three.js, Javascript, HTML, and CSS to highlight my projects

TerpTune   Github | View Project
- Developed a song database and review application using Flutter, Spotify API, Google Firebase, and AI features