Alexander Terskin

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EDUCATION

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

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, HTML, CSS, C, Ruby, SQL, Dart, OCaml, TypeScript, Rust, XML
Frameworks: React, JUnit4, Node.js, Next.js, Angular, Apache, Three.js, SpringBoot
Developer Tools: Git, Android Studio, MySQL, BitBucket, Pandas, Postman, Swagger, Jenkins

PROJECTS

Personal Website   Summer 2023
alexterskin.com
- Developed a captivating personal website utilizing Vite, Three.js, Javascript, HTML, and CSS to highlight my projects.

TerpTune   Spring 2024
Flutter music database/review app
- Developed a song database and review application using Flutter, integrating Spotify API and Google Firebase to support features such as registration/log-in, song playback, rating and reviewing, viewing top 100 Spotify songs, and a built-in recommendation system.

PROFESSIONAL EXPERIENCE

Engauge   Summer 2024
Education Technology Startup
Software Developer
- 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.
- Facilitated the recruitment of new software engineers, ensuring alignment with the company's core values to promote an effective and motivating work environment.
- Successfully pitched a high-fidelity prototype to the University of Maryland's Dingman Center, secured over $60,000 in funding from the University of Maryland's Math Department and spearheaded efforts to align the MVP with market needs and investor expectations.

FINRA   Summer 2022
Financial Industry Regulatory Authority
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. Additionally, developed JUNITs with optimal code coverage.