

Alexander Terskin

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EDUCATION

University of Maryland, College Park

Fall 2024

Bachelor of Science, Computer Science;

Honors and Awards: Dean's list 2021

TECHNICAL SKILLS

Languages: Android Studio, C, CSS, HTML, Java, Javascript, Ocaml, Python Ruby, Rust, SQL, TypeScript, XML

Frameworks: Apache, Angular, JUnit 4, Next.js, Node.js, React, SpringBoot, Three.js

Developer Tools: BitBucket, Git, Jenkins, MySQL, Pandas, Postman, Swagger

PROFESSIONAL EXPERIENCE

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.

PROJECTS

AVL-G Tree

Fall 2023

University of Maryland, College Park

- Implemented a data structure called an AVL-G tree, an improvement to the traditional AVL tree, allowing for an adjustable balance based on parameter G and optimizing key rotations during insertion and deletion.
- Leveraged knowledge of the tree data structure and the application of recursion for efficient tree traversal and manipulation.

Personal Website

Summer 2023

alexterskin.com

- Developed a captivating personal website utilizing Next.js, React, and Three.js, enabling users to engage with an object by dragging the screen and exploring it from different angles, showcasing a cutting-edge user experience.
- Demonstrated a strong understanding of front-end technologies by implementing responsive design principles, ensuring seamless functionality across various devices and screen sizes.
- Published the project's source code on GitHub, demonstrating commitment to open-source projects and knowledge sharing within the development community.

LEADERSHIP

Terrapin Beats Society

Spring 2023

Vice President

University of Maryland, College Park

- Led production workshops for club members. Teaching sound design and advanced music production mixing.
- Shared hands-on experience with fellow club members from collaborations with local music producers who have opened for renowned DJs such as Kaivon, NGHTMRE, and Dimension.