

CHRISTOPHER YUNG

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WORK EXPERIENCE

Lockheed Martin - Security Clearance: Secret

Fort Worth, TX

Software Engineer I

July 2023 – November 2024

Software Engineer II

November 2024 – Present

- One of a dozen approved GUI code reviewers to help enforce code quality and adherence to design principles
- Mentored fellow engineers on best practices for React, CSS styling, and React Testing Library
- Built out several services, created common components, and streamlined the usage of React Router
- Reduced size of codebase by 30% and halved space complexity of algorithms by optimizing code
- Translated critical Matlab algorithms into Java while improving their runtime from $O(N^2)$ to $O(N)$
- Saved dozens of hours of manual labor by developing Python and dynamic SQL scripts for automation
- Increased test coverage to over 90% on over half a dozen services, ensuring maintainability and stability
- Pioneered development and design of a custom full stack framework, integrating relational database mappings with our Java backend to deliver a custom instruction set for dynamically rendering UI components
- Streamlined processes for loading hundreds of rulesets into the database, saving weeks of development time
- Technologies used: **JavaScript, React, Java, SQL, Python, Spring, Jest, React Testing Library**

Socotra

San Francisco, CA

Frontend Engineering Intern

June 2022 – August 2022

- Improved central user flow for 30+ insurance companies by redesigning core elements of Socotra platform
- Designed custom scalable components for use in current & future development using Material UI
- Implemented functional and regression unit tests using Jest framework and mock data to ensure robustness
- Collaborated with design teams to implement Figma designs and gain expertise in UI design
- Helped redesign and rebuild Socotra Administration Portal to migrate all customers off of old code base
- Consolidated login portals, optimized navigation elements, and maintained security of users
- Delivered the Socotra Administration Portal within a sprint during my last weeks as an intern
- Technologies used: **TypeScript, React.js, Jest, Postman**

PROJECTS

Personal Website, <https://yung4.github.io>

July 2022 – Present

- A digital portfolio written in HTML, SCSS, and JavaScript using the GSAP ScrollTrigger library

TECHNICAL SKILLS

Highly Proficient: JavaScript, TypeScript, Python, Java, React, Node, HTML, CSS

Proficient: SQL, C++, C, React Testing Library, Jest

Learning: Bun, Vite, Spring, OpenShift

Tools: Git, VSCode, IntelliJ, Microsoft SQL Server, Azure SQL

EDUCATION

Purdue University

August 2019 – May 2023

B.S. in Computer Science with a concentration in Software Engineering

West Lafayette, IN

Minor in Entrepreneurship and Innovation