

Mason Tran

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Summary

Motivated Computer Science student specializing in Cyber Operations with hands-on experience in cybersecurity and software development. Demonstrated expertise through projects such as vulnerability scanners and secure password managers. Adept at problem-solving, quality control, and team collaboration. Seeking an opportunity to contribute technical skills and innovative solutions at Raytheon.

Education

University of Arizona, Tucson, AZ

CAST Center of Academic Excellence – Cyber Operations

Expected 2026

Bachelor's / Associate's in Computer Science

Experience

University of Arizona – Campus Store

Certified Repair Apple Tech

Apr 2024 – Present

Tucson, AZ

- Part of the technology repair team providing repair services to students, staff, and external clients.

Gyros Protein Packing Company

Packing Technician

Oct 2022 – Nov 2023

Tucson, AZ

- Packaged immunoassay and peptide solutions for shipment, ensuring adherence to quality standards.
- Performed quality control checks and verified each product met specific requirements.

Chipotle

Cashier

Dec 2022 – Jun 2023

Tucson, AZ

- Processed payments accurately and maintained excellent customer service in a fast-paced environment.
- Managed restaurant upkeep to ensure a clean and well-maintained space.

Projects

Code Bounty | TypeScript, JavaScript, CSS, NodeJS, MaterialUI, MongoDB, NextJS

ASU SunHacks, Sep 2024

- Built a responsive front-end interface using NextJS with TypeScript and JavaScript for robust client-side logic.
- Designed modern, user-friendly layouts with CSS and MaterialUI for seamless navigation.
- Leveraged NodeJS and MongoDB for backend support, enabling efficient data management and server-side rendering.

React Portfolio | React, HTML, SCSS, JavaScript

Ongoing

- Developed a responsive portfolio website using Create React App with a modular, component-based architecture.
- Integrated Email.js API to facilitate direct user communication.
- Enhanced user engagement with dynamic interactions using React hooks and state management.

SQL Web Checker | Python, Tkinter

Ongoing

- Created a Python-based web vulnerability scanner with a Tkinter GUI to test for SQL injection, XSS, and command injection.
- Implemented multi-threading for responsiveness and regex-based error detection for precise vulnerability assessment.

Password Encrypter Manager | Python Tkinter

Present

- Developed a secure password manager utilizing AES encryption with PBKDF2 key derivation and PKCS7 padding.
- Designed an intuitive Tkinter-based GUI featuring secure login, auto-login, and CRUD operations for account management.

Technical Skills

Languages: Java, Python, JavaScript, HTML/CSS, TypeScript

Frameworks: React, Node.js, JUnit, Material-UI

Developer Tools: Git, WingIDE, VS Code, Visual Studio, Eclipse

Libraries: React & ReactDOM, Animate.css & GSAP, @emailjs/browser