Rohan Minocha

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EDUCATION

University of Waterloo   Sep 2020 – Apr 2025
Honours Bachelor of Computer Science (Co-op)
- **Relevant Courses:** Object Oriented Programming, Data Structures & Algorithms, Foundations of Sequential Programs

SKILLS

Languages	Python, Java, JavaScript, Go, SQL, HTML/CSS, C/C++, Swift, Shell
Frameworks	React, Redux, Express.js, Node.js, Flask, Django
Tools	REST APIs, Redis, Elastic Search, MySQL, MongoDB, Docker, Kubernetes, AWS

EXPERIENCE

Trustwave   Jan 2023 – Present
Software Engineer Intern   Chicago, IL
- Leading internal cloud migration to AWS to improve query response time and performance, and reduce infrastructure costs
- Working on designing and building metadata service in Python for CI systems, with parallelization for production builds

Electro Source   May 2022 – Aug 2022
Software Developer Intern   Toronto, ON
- Transformed reminder web app to 12 screen cross-platform iOS mobile app using React Native, increasing user retention by 40%
- Built REST APIs in Express.js server to update and delete action items stored in MongoDB, tested using Postman API client
- Optimized app performance by creating Docker container to deploy Redis in-memory cache instance for real-time analytics
- Improved iOS mobile app security by addressing over 25 vulnerabilities in React Native by analyzing OWASP Top 10 reports
- Reduced manual testing load by 20% by creating automated test cases to ensure notifications and error headers validity

Elekta   Sep 2021 – Dec 2021
Software Developer Intern   Sunnyvale, CA
- Optimized software license generation by 20x by creating Java-based standardized tool, reducing team costs by 12.5%
- Implemented Spring Boot REST APIs to fetch data from MySQL server, reducing API calls by 30% when creating new accounts
- Enhanced AQUA v3.1 security by investigating vulnerabilities from Nessus scan resulting in 20% decrease in cybersecurity issues
- Reinforced and reverse-engineered image processing algorithms of DICOM images for radiotherapy quality assurance and control

Delhi Public School   Sep 2018 – Jun 2019
Software Engineer Intern   KW
- Designed full-stack iOS application for sharing recorded lectures in real-time, with in-app note-taking functionality
- Created mobile app using Swift and SwiftUI and received over 6K downloads on App Store with 3.0 monthly app traffic
- Built upon multi-tier architecture, and implemented wireframes and designs for technical feasibility to improve user experience

PROJECTS

Crypto Logix ⭘ ↗ | *React, Redux, ChartJS, REST APIs, Ant Design*
- Developed web app to display real-time crypto statistics from multiple sources using Rapid API and Bing Search API
- Engaged over 150 students in UW Blockchain Club to learn cryptocurrency and escalated pageviews by 20% to optimize UX

CrediSafe ⭘ | *Python, Pandas, NumPy, Matplotlib*
- Built data investigation model over 280K transactions in 26 seconds using K-Nearest Neighbors and K-Means Clustering
- Implemented data cleaning, data visualization, and confusion matrix to detect fraudulent transactions with 99% accuracy

COMMUNITY

Software Developer	*UWPath* — Sep 2022 – Present
Hackathon Judge	*TOHacks'22* — May 2022
Mentor	*Hack the North'21, UofT Hacks IX, Hack the Valley'21, UW Computer Science Club* — Sep 2021 – Feb 2022