Rohan Minocha

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EDUCATION

University of Waterloo   Sep 2020 – Apr 2025
Candidate for BCS: Bachelor of Computer Science
- **Relevant Courses:** Object Oriented Programming, Data Structures & Algorithms, Foundations of Sequential Programs

SKILLS

Languages	Python, Golang, JavaScript, C/C++, SQL, HTML/CSS, R, Swift, Java, Scheme
Frameworks	Django, React Native, Redux, Node, Express, Flask, Pandas, NumPy
Tools	MongoDB, PostgreSQL, Git, REST APIs, Docker, Kubernetes, AWS, Redis

EXPERIENCE

Trustwave   Jan 2023 – Apr 2023
Incoming Software Developer Intern (Cybersecurity)   *Chicago, IL*

Electro Source Inc   May 2022 – Aug 2022
Software Developer Intern   *Toronto, ON*
- Improved iOS mobile app security by addressing **over 25 vulnerabilities** in **React Native** by analyzing OWASP Top 10 reports
- Optimized app performance by creating **Docker** container to deploy **Redis** in-memory cache instance for real-time analytics
- Implemented **REST APIs** to fetch user data from **MongoDB** and reduced API calls by **30%** when creating new accounts
- Reduced manual testing load by **10%** by creating automated test cases to ensure notifications and error headers validity
- Designed Calendar UI using **Figma** and developed test plans for UI testing to improve app stability for **TestFlight** release

Elekta   Sep 2021 – Dec 2021
Software Developer Intern   *Toronto, ON*
- **Optimized software license build by 20x** by creating standardized tool in **Java** which **dropped team costs by 12.5%**
- Secured build with CI/CD pipeline to **increase accuracy to 99%** and setup emulator VMs for automated linear accelerators
- Automated monitoring system using Azure Budgets API, Postman, & PowerShell for strategic product marketing to demo users

Delhi Public School   Sep 2018 – Jun 2019
Software Engineering 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 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**

Crypto Booster ⚙ | *R, RStudio*
- Developed cryptocurrency trading bot to trade ETH - CAD pair through **Coinbase Pro API** based on available account balance
- Applied **Relative Strength Index (RSI)** indicators that suggest momentarily oversold market to notify user of buy action

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