

# Rohan Minocha

(647) 325-2812 | mail@rminocha.com | rohanminocha.me | linkedin/in/rohanminocha | github/rohanminocha

## SKILLS

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

## EXPERIENCE

**Electro Source Inc** May 2022 – Aug 2022  
Software Developer Intern Toronto, ON

- Improved 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

**Expiry Tracker Application**  | [JavaScript](#), [React Native](#), [Figma](#)

- Designed full-stack application that keeps track of products' expiry and sends reminder notifications week in-advance

## COMMUNITY

**Software Developer** | [UWPath](#) Sep 2022 – Present

**Hackathon Judge** | [TOHacks'22](#) May 2022

**Mentor** | [Hack the North'21](#), [UoT Hacks IX](#), [Hack the Valley'21](#), [UW Computer Science Club](#) Sep 2021 – Feb 2022

## 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