

# 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, Go, SQL, JavaScript, C/C++, HTML/CSS, Swift, Kotlin, Java  
**Frameworks** Django, React, Redux, Node, Express, Flask, Pandas, NumPy  
**Tools** AWS, MongoDB, PostgreSQL, Git, REST APIs, Docker, Kubernetes, Redis

## EXPERIENCE

### 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

### 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](#), [UofT Hacks IX](#), [Hack the Valley'21](#), [UW Computer Science Club](#)

Sep 2021 – Feb 2022