

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, JavaScript, Go, C++, Java, SQL, HTML, CSS

Technologies React.js, React Native, Vue.js, Express.js, Flask, Django, Redux

Tools Kafka, PostgreSQL, AWS EC2/S3, Redis, Elasticsearch, MongoDB, Docker, Kubernetes

EXPERIENCE

Trustwave | Software Engineer Intern

Jan 2023 – Apr 2023

Chicago, IL

- Spearheaded migration of Fusion Platform and [Jenkins](#) pipelines to [Python3](#) and integrated [Datadog](#) with [AWS EC2](#) instances
- Designed and realized architecture to resolve processes using [Go](#), [Kafka](#) and [Elasticsearch](#), handling **10M+** data points daily
- Improved access control response by **95%** with self-managing [Postgres-Redis](#) cache and [SQLAlchemy](#) for database interaction
- Automated [Selenium](#)-based fake agent CLI with customizable configs for E2E testing, reducing testing setup process by **75%**

Electro Source | Software Developer Intern

May 2022 – Aug 2022

Toronto, ON

- Shipped APIs in [Express.js](#) server to update and delete action items stored in [MongoDB](#), tested using [Postman](#) API client
- Enhanced app performance by creating [Docker](#) container to deploy [Redis](#) in-memory cache instance for real-time app analytics
- Improved iOS mobile app security by addressing **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 | Software Developer Intern

Sep 2021 – Dec 2021

Sunnyvale, CA

- Optimized software license generation by **20x** via [Java](#)-based dashboard for **600+** hospitals, reducing infrastructure costs by **33%**
- Implemented [Spring Boot](#) REST APIs to fetch data from [MySQL](#) server, reducing API calls by **30%** when creating new accounts
- Developed and reinforced [C++](#) image processing algorithms for enhancing image quality and removing noise for radiotherapy

Delhi Public School | Software Engineer Intern

Sep 2018 – Jun 2019

Kuwait

- Designed extensible cloud ERP iOS application for sharing recorded lectures in real-time, with in-app note-taking functionality
- Created mobile app using [Swift](#) and [SwiftUI](#) and received **9000+** downloads on App Store with **3M+** monthly active user visits
- Built upon multi-tier architecture and implemented wireframes and designs for technical feasibility to improve user experience

PROJECTS

UWPath | [Python](#), [Django](#), [JavaScript](#), [Vue.js](#), [Docker](#), [PostgreSQL](#), [NGINX](#), [Firebase](#)

- Architected full-stack application to help **7000+** UWaterloo students plan degrees based on majors, minors, and options
- Established prototype using [Django](#) and created [Docker](#) container for microservices, automating build and deployment process
- Implemented Google OAuth using [Firebase](#) Authentication to allow users to store and retrieve user data in UWPath accounts

Crypto Logix | [React](#), [Redux](#), [Chart.js](#), [REST APIs](#), [Ant Design](#)

- Developed web app to display real-time cryptocurrency statistics from multiple sources using [Rapid API](#) and [Bing Search API](#)
- Engaged **250+** 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 **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**