

Nikhil Yates

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Education

Computer Science, York University — Hons BSc, B.E.S.T Certificate

Expected May '24

Experience

Website Designer/Developer — MatrixWeb Collective

August 2023- Present

- Embed clients' business goals within site designs by following my efficient design to product development process
- Cultivate brand appeal with unique design patterns, front/back end engineering, maintenance, and analytics
- Design effective websites with strong design flow, use strong background in React, HTML, CSS, JS, Wix to build

Private Equity Analyst — Define Capital

May 2023 - August 2023

- Sourced high performing SaaS and software company profiles inline with our investment criteria, evaluated financials and related data, developed 3-statement financial forecasts, and engaged in acquisition negotiations
- Performed continuous industry research within vertical and horizontal markets, scored markets based on current and projected attractiveness by using proportional market-leader benchmarks
- Reviewed weekly CIMs on target companies, highlights, new market insights and areas of opportunity and risk
- Built a comprehensive web scraping application that halved target identification time for analysts on the team

Software Developer — Essence CubeSat Mission, York University

October 2021 - January 2022

- Efficiently produce solutions for tasks handled by the CubeSat onboard computer
- Work with embedded systems and configure Real Time Operating System (RTOS) for microcontrollers
- Present progress updates to team members and coordinate task scheduling with supervisor on a weekly basis

IT Support Technician — Omira Group

Sept 2021 - April 2023

- Diagnosed and troubleshooted network issues through strategic use of network utility tools
- Implement data sharing/storage processes, network attached storage (NAS) solutions to improve work flow
- Monitor hardware/software functionality; perform replacements/repairs, software configuration on 14+ devices

Professional Athlete — A.S.D G.C Sora, Italy

November 2018 - May 2019

Repertoire

Large Language Models Based Test Case Generation — Research Project, York University

Sept 2023 - Present

- Led by a distinguished professor in the Electrical Engineering and Computer Science department, this project follows a collaboration with Meta and explores different use cases of LLMs in building high-quality, automated test case generation systems for robust, complete software development
- Deep learning techniques, working with python (NLTK libraries), YAML, comprehensive project documentation

AllergenApp — Software Project/Startup

Sept 2023 - Present

- Full stack software development on a web-application to help servers in the food industry accurately accommodate guests with allergies and sensitivities for a major restaurant brand
- Built with React, JavaScript, Java, we employ best relational database practices (SQL), a predictive text engine, and secure data access
- Employing strong lean-startup ideation: problem identification, solution analysis and pivot, and preparing for the transition from a minimum viable to whole product

Blockchain and Cryptocurrency Project — Project

Completed Spring 2022

- Developed in nodeJS, this project follows blockchain programming principles and simulates the backend (server-side) of a cryptocurrency; documenting transaction history/details, maintaining a ledger, and security stops
- Backend communication using JSON

Experience cont'd

Kitchen and Cabinet Associate — Richwood Quality Kitchen and Bath

May 2021 - Present

- Actively contribute to and build large kitchen and bathroom cabinetry projects, maintaining high design and quality standards from production to installation
- Skillfully operate hand tools and large machinery including a minipress, CNC drill press, edge-bander
- Proficiently read project specifications to construct cabinetry, vanities, closets following a time and cost-effective workflow

General Labourer — Celio Group Incorporated

May 2020 - May 2021

- Assisted project management and led teams responsible for demolition, renovation, kitchen and appliance assembly/installation on 10+ job sites across southern Ontario
- Organized material distribution strategies that optimized resources during pandemic-induced supply shortages saving dozens of hours of transportation labour

Project Manager, Volunteer — Green Love, Emery Edvance Secondary School

September 2019 - February 2020

- Devised a project proposal and secured a \$1200 commitment from the school to begin a new recycling program and increased awareness about the importance of trash management
- Managed a 15-volunteer team, facilitated progress conferences with administrative staff
- Led school-wide promotional activities including multiple information seminars delivered to 300+ students

Team Lead, Seasonal Employee — Rides Department, Canada's Wonderland

April 2018 - November 2019

- Demonstrated care for the company's high operational standards as a ride attendant, was recognized for exemplary efforts and promoted to supervision in 2019
- Created and managed daily schedules, conducted performance analysis for 30+ ride operators and attendants
- Enhanced employee and guest experience by initiating weekly conflict resolution workshops and monitoring employee regard for health and safety protocols
- Increased daily ridership targets across three rollercoasters by initiating a strategy still in practice today that maximized guest interactions during duty rotations

More Work

Data Science: Complete Data Science and Machine Learning — Udemy Course

Completed Summer 2023

- 26 hours of python and math content specifically for data science, stats for data science, and machine learning
- Major topics include descriptive statistics, regression, decision trees, feature selection, and deep learning
- Python dominant, includes work done