Nityanand Rewankar

Email: nrewankar@gmail.com | **Phone:** 613-863-2778   **LinkedIn:** https://www.linkedin.com/in/nityanandrewankar/

Education

UBC, *Integrated Engineering (Year 3)*   Expected Graduation 2024
- Recipient of the Academic All-Canadian Award - given to exceptional student-athletes who achieve a **high academic standing while playing on a Varsity sports team**.

Udemy, *Python for Finance: Investment Fundamentals and Data Analytics*   Enrolled

Work Experience

CRA (Business Intelligence & Data Division), *Junior Data Scientist (Ottawa, ON)*   January 2022 - April 2022
- Performing **statistical analysis, data mining and research using R and/or SAS** to identify tax compliance risks and deploying innovative strategies to address compliance.

Giatec Scientific (R&D), *Research and Engineering Assistant (Ottawa, ON)*   May 2021 - August 2021
- **Designed data queries** and programs with Python allowing Giatec to **monitor users' concrete mix input behaviour**.
- Optimised a concrete **temperature prediction program** to perform time vs temperature calculations more efficiently.
- Used Python and Excel to **clean and analyse an in-development IoT sensor's data**.
- Conducted **proof of concept research** regarding the behaviour of concrete mixes and **analysis of the spinning motion** of concrete drums; **efforts helped determine which proof of concepts are viable** for future investment.

Reserv, *Designer and Developer (Montreal, QC)*   March 2020 - August 2020
- **Navigated the entire software development life cycle** using Agile Methodology to **design and develop an app in XCode** which helps restaurant owners deliver a **safe dining experience based on pandemic-era regulations and trends**.
- Configured **Firebase database's connection to the application**.

Vector Marketing, *Brand Representative (Vancouver, BC)*   May 2020 - August 2020
- Received **professional sales training**; delivered sales presentations to prospective clients; finished in the **top quartile of sales volume** amongst sales representatives.
- **Networked and maintained relationships** with clients; **converted over 30% of my clients into sales** for the company**.**

Select Technical Projects

Python - Return on Investments   January 2021
- Self initiated this project as part of my Python and Finance learning process.
- Conducted **statistical analysis with Python on equity data** retrieved from the Yahoo Finance API to compare and make educated decisions on the stocks in my portfolio.

Rainwater Harvesting System Data Modelling   February 2020
- Analysed and designed a data model using Excel **which performed multiple layers of fluid dynamics calculations in order to optimise rainwater collection** methods for the community of Van Anda, BC.
- Visualised real life rainwater data; developed and **presented the solution to stakeholders**.

To-Do Dots - Smart Wireless Device   September 2020 - April 2021
- Designed and developed a **smart wireless device along with a Bluetooth connected iOS/Android** application meant to help users overcome procrastination.
- Acted as the **bridge between software and hardware** sub-teams.

Muscle Atrophy Prevention Device   September 2021 - April 2022
- Currently working on a knee brace which **combines various physiotherapy technologies to help prevent muscle disuse atrophy** in patients recovering from ACL injury/surgery.
- Knee brace will have our own **adaptable resistance mechanism** as well as instruments like **BFR and TENS**.

CarRobot   December 2020
- Developed an Arduino program in C that **guides a car according to the colour of the line** in front of it; used L298N motor bridge and QRD1114 optical detectors.

JAWS - Automated Claw   February 2020
- Designed a miniature claw to automatically grab small objects off the ground.
- Used sonar sensors with an Arduino to **determine the proximity of the claw to the ground**.

Community Involvement

NetX Event, *Co-Chair (Montreal, QC)*   December 2020 - Present
- Helped pioneer an event format that allows students to both **network with employers & industry-leading individuals** at Microsoft, Shopify, EY, etc., as well as **pursue internship opportunities** within the tech industry.
- Integrated a **team of 40+ students across Canada;** sub-teams included operations, finance, dev, design, etc.
- Forged **partnerships with over 80+ startups/associations & 15+ universities** to **facilitate 70+ internships & 200+ interviews** to a community of **30,000 students**.

The Foundr Podcast, *(Montreal, QC)*   April 2021 - Present
- Helped create a podcast which **showcases tech start-up founders' strategies to take products** from ideation to market.
- Partnered with over **9+ universities, 30+ associations & 20+ start-ups/accelerators** to distribute episodes to an **audience of 200,000+ potential viewers** through national and international campaigns.

SVJCT Walawalkar Hospital, *Student Volunteer (Dervan, India)*   August 2017
- Initiated and **organised a volunteer opportunity for Canadian high school students** to a rural medical hospital in India.
- Assisted an Orthopaedic surgeon with the **development of an ergonomic spinal alignment device** aimed at teenagers.

Skills & Hobbies

- **Technical Skills:** Python, C, R, SQL, Solidworks, Matlab, Excel, XCode, Git
- **Extra-curriculars:** U21 Canadian National Team (field hockey), Ice Hockey, Skiing, Golf, Badminton, Finance