

# Anish R. Verma

anishrverma@gmail.com | +1 (604)-446-8988 | [/in/anishrverma](#) | [anishrverma.github.io](#)

## Professional Experience

---

### Product Manager | [SandboxAQ \(Google / Alphabet Spinout\)](#)

Jan. 2024 – Apr. 2025

- Directed product development and go-to-market for AQChemSim, SandboxAQ's materials-science LQM solution leveraging state-of-the-art physics-based methods, Bayesian optimization, and generative AI, to secure pilot collaborations (\$250k+ each) contracts with leading industrial partners.
- Spearheaded product strategy and global deployment of SandboxAQ's quantitative finance LQM platform, translating cutting-edge AI and quantum risk-modeling algorithms into scalable cloud services adopted by Global 1000 clients.
- Led the "[Market informed portfolio optimization methods with hybrid quantum computing](#)" project, published in Review of Financial Economics, presenting a novel framework that integrates hybrid quantum algorithms with a futures-market sentiment indicator to enhance portfolio selection performance.

### Associate Product Manager | [Good Chemistry Company](#)

Dec. 2022 – Jan. 2024

- Supported the end-to-end development of QEMIST Cloud – from concept through MVP – by coordinating cross-functional teams of researchers, engineers, and UX designers, laying the foundation for Good Chemistry's acquisition.
- Crafted strategic product marketing collateral (white papers, case studies, decks) that sharpened company messaging, attracted qualified leads, and built an engaged quantum-computing community.
- Led deep-dive analyses of market segments, competitive benchmarks, and technical performance – including pricing-model optimization – to inform roadmap prioritization, validate features, and drive data-backed product decisions.

### Research Scientist | [1QBit](#)

Jan. 2020 – Dec. 2022

- Productized a hybrid quantum-classical portfolio optimizer, applying VQE and QAOA methods to QUBO formulations across cryptocurrencies, equities, and derivatives; delivered a pilot solution that achieved a 400% ROI uplift and a 75% improvement in risk-adjusted returns for endowment and fund clients – [Deck](#).
- Led development and launch of an AI-powered portfolio recommendation tool, leveraging diffusion-based machine learning on open-source 13F filings; owned product requirements, worked closely with ML engineers and data scientists, and rolled out actionable insights that boosted platform engagement and client satisfaction.
- Founded and managed the Academic Collaboration in Finance program, designing a quantum-education offering adopted by UCL, UC Berkeley, and global research institutions; generated 200+ qualified leads, established a sustainable talent pipeline, and elevated 1QBit's brand leadership through workshops, pilot projects, and 6 published [white papers](#).

### Chief Data Officer | [STEM Fellowship](#)

Feb. 2020 – Oct. 2022

- Coordinated and scaled [data-driven STEM initiatives](#), directing the Data Science pillar to plan and execute flagship educational programs, research projects, and a hackathon; optimized pedagogical systems and operations to meet organizational goals under tight COVID-19 constraints.

- Drove a 123.5% increase in client base and expanded external reach to 56,221 users, by defining, developing, and monitoring key metrics; leveraged data analytics to inform strategic decisions, surpass budgetary limits, and earn recognition from the Prime Minister of Canada.
- Launched an NLP-powered ML tool, architecting and integrating an AI pipeline that achieved >0.94 AUC for candidate extraction from unstructured data; managed stakeholder requirements, guided cross-functional teams, and enabled seamless adoption across diverse workflows – [Publication 1](#), [2](#).

#### **Business and Project Manager** | [Quantum Algorithms Institute](#)

Oct. 2021 – Mar. 2022

- Led cross-sector quantum initiatives, forging and managing partnerships between Canadian companies, academia, and government to deliver applied quantum computing projects—overseeing contracts up to \$250 K and ensuring on-time, on-budget execution.
- Designed and executed data-driven lead-generation campaigns, leveraging market analysis and targeted workshops to generate 50+ qualified B2B leads for high-performance computing and quantum-inspired optimization solutions.
- Coordinated multidisciplinary teams and stakeholder communications, applying product-management frameworks to translate complex quantum and AI concepts into clear deliverables, technical roadmaps, and executive briefings.

## **Skills**

---

**Product Management:** Strategic Roadmapping & Prioritization, Agile & Scrum Methodologies, Data-Driven Decision Making, User Empathy & UX Collaboration, Go-to-Market Strategy, Stakeholder Management & Communication

**Quantum Computing:** Quantum Algorithm Development, Advanced Mathematics & Linear Algebra, Quantum Simulation & Benchmarking, Proficiency in Quantum SDKs.

**Computational:** Numerical Methods & Algorithms, Parallel & Distributed Computing, Scripting & Automation, Simulation Software, Version Control & CI/CD, Cloud & Containerization, Software Development Lifecycle (SDLC)

**Data Science:** Programming (Python, R, SQL), Machine Learning & Statistical Modeling, Data Visualization, Big Data Technologies, Model Evaluation & A/B Testing, Feature Engineering & ETL, Cloud-Native Deployment.

## **Education and Credentials**

---

B.Sc. Honors (Distinction) – Chemical Physics – [Simon Fraser University](#) – [Valedictorian Speech](#).

Certificate of Achievement in Pharmacology – Drug Discovery and Development – [Harvard Medical School](#).

PMP (Project Management Professional) – [Project Management Institute](#).

PSM (Professional Scrum Master) – [Scrum.org](#).