Taric Somani

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Education

University of Waterloo — Waterloo, ON
Honours Bachelor of Science, Mathematical Physics — Sept. 2022 - Apr. 2027 (Proj.)
Relevant Coursework: Scientific Machine Learning, Linear Algebra I/II, Statistics, Differential Equations, Principles of Computing for Science, Computational Physics. Achieved Term distinction in 2A/2B/3A terms. **Most Recent Semester Average: 91.8%**.

Experience

The Atmospheric Fund (TAF) — Toronto, ON
Junior Analyst, Clean Electrification — May 2025 - Aug. 2025
- Developed two public-facing blog posts, translating technical insights into actionable messaging for municipalities, developers and policymakers across the GTHA. See: Surviving the heat: What this summer taught us about urban design; Virtual net-metering is a win for industry. It could be a win for everyone.
- Conducted policy analysis on Ontario's grid readiness for electrification, reviewing and synthesizing technical reports, regulatory filings, and stakeholder submissions to inform TAF's investment and advocacy strategies.
- Supported the development of a standardized KPI framework for residential DER assets, defining **20+ technical metrics** to quantify program performance and decarbonization impact.
- Led data-driven, organization-wide guidance on ethical and effective AI adoption, advising senior leadership on tool selection and a comprehensive, ethics-centered AI strategy.
- Automated organizational data pipelines using Python, improving operational efficiency by **90%** and enabling real-time analysis of clean electrification trends.
- Developed a scalable PostgreSQL model to process **3.5M+ data points**, providing the analytical foundation for TAF's Annual Emissions Factors report, a key benchmark for regional carbon accounting and ESG reporting.
- Designed database schemas, workflows, and documentation to support maintainability and ease of use.

Edgecom Energy — Toronto, ON
Project Coordinator - uTrack Energy — Sept. 2024 - Apr. 2025
- Advised developers on the financial viability and grid-integration of BESS and solar assets; conducted CAPEX/OPEX analysis to support clean electrification investment decisions.
- Identified a market gap in utility cost recovery and led the development of a utility bill verification product projected to generate **$133k (2025)**.
- Conducted comprehensive research and analysis of sub-metering laws and regulations across multiple jurisdictions, ensuring informed expansion strategies and regulatory compliance.
- Helped secure over **$85,000** in non-dilutive funding, driving strategic initiatives without diluting equity.

H&R Block — Kitchener, ON
Level 4 Tax Professional — Feb. 2024 - Apr. 2024 & Feb. 2025 - Apr. 2025
- Prepared over **600 tax returns** for individuals and sole proprietors; generating over **$75,000** in company revenue.
- Received a **National Top Performer** Award for effectively resolving complex tax issues.

Projects, Leadership & Activities

Director - Waterloo Venture Group — May 2025 - Present
- Performed due diligence and market sizing for early-stage clean-tech and prop-tech startups, evaluating Go-To-Market (GTM) strategies for venture capital readiness.

Three Body Problem Project — May 2024 - June 2024
- Applied advanced numerical methods to simulate a complex three-body system.
- Implemented a flexible 3D rendering framework with dynamic visualizations and camera movement.

TED-Ed Speaker — Sept. 2020 - Apr. 2021
- Created, produced and recorded a professionally recorded TED Talk about moral philosophy and absolute truth.
- What Is Truth? | Taric Somani | Encounters TEDEd Club@Vancouver.

Skills, Interests & Awards

Software: Microsoft Office/Google Workplace, Clickup, Salesforce, Front.
Technical: Python (NumPy, Matplotlib, SciPy), SQL, R, Matlab, Git, LaTex.
Awards & Certifications: Duke of Edinburgh Bronze, Chief Scout, H&R Block National Top Performer 2024, ICTC WIL Management Consulting & Artificial Intelligence Micro-certifications.
Interests: RCM Level 8 Piano, Philosophy, Model United Nations, Vinyl Collecting, Project Euler.