Tristan Guevarra

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Education

Queen's University Sep. 2022 – Apr. 2027
Bachelor of Applied Science in Computer Engineering (Software Engineering Stream) *Kingston, ON*
- Courses: Object-Oriented Programming, Data Structures & Algorithms, Probabilities, Discrete Math, Data Science
- Awards/Organizations: Excellence Scholarship Award; Q3C, QWeb, Queen's Engineering Society

Experience

Toronto-Dominion (TD Bank Group) Sept. 2025 – Present
Set to fulfill a Software Engineering role. *Toronto, ON*

Metergy Solutions Sept. 2025 – Present
Software Engineer (Part-Time) *Remote*
- Delivering <24h turnaround on bug fixes and features across the .NET WPF inspection application and other internal company platforms built with Python, React/Typescript and Vue.
- Streamlined onboarding and cross-team workflows, demonstrating independence and maintaining stakeholder trust.

Metergy Solutions May 2025 – Aug. 2025
Software Developer Intern *Markham, ON*
- Led development of an enterprise-level C# .NET WPF app integrating Microsoft Dataverse (cloud) and SQLite (local), deployed daily by 25+ technicians and 20+ project managers to streamline inspections.
- Automated SE-04 certificate generation and reporting, reducing processing time by 95% (from 2 days to 15 minutes) across 100+ buildings while eliminating 100% of repetitive data entry.
- Designed and implemented RESTful API integrations (Dataverse Web API) using HTTP methods (GET, POST, PATCH), synchronizing 10,000+ inspection records with 98% accuracy and cutting sync delays by 70%.
- Designed Power Automate "bot" flows to bind the desktop app with Dataverse, cutting manual corrections by 80% and improving accuracy across 10,000+ records.
- Acted as liaison between engineers, and internal/external stakeholders, gathering requirements and delivering production-ready features in bi-weekly agile sprints with 95% satisfaction and 95% on-time delivery rates.
- Presented company-wide demos, securing 2nd-place in intern performance evaluations and becoming the first intern ever nominated for Metergy's 3P Sustainability Award.

Queen's University — Faculty of Engineering & Applied Science Sept. 2024 – Apr. 2025
Undergraduate Teaching Assistant *Kingston, ON*
- TA for Object-Oriented Programming (Java, 200+ students) and Programming for Engineers I (C, 800+ students).
- Led labs and office hours on efficient algorithms, key principles, control flow, debugging, and memory management.
- Graded 500+ assignments and projects with detailed feedback, maintaining a 95%+ student satisfaction rate.
- Selected as 1 of only 3 undergraduates among 7 total TAs (1% acceptance) for Object-Oriented Programming.

Leadership Experience and Project

Queen's Cryptography and Cybersecurity Club (AMS Ratified) Jan. 2024 – Present
Co-Founder & Analyst *Kingston, ON*
- Co-founded Queen's first integrated club for cryptography, cybersecurity, and software engineering, ratified by AMS.
- Leading 200+ community members, directing two specialized divisions delivering software and competition projects.

Athletic Movement Categorization Desktop App *Python, Pandas, NumPy, Matplotlib, Scikit-Learn, PyCharm*
- Built and trained a Logistic Regression model on accelerometer data, achieving 90% classification accuracy.
- Optimized preprocessing by converting CSVs to HDF5 and visualized results with Matplotlib, cutting time by 25%.

Technical Skills and Interests

Languages: C#, Java, Python, C/C++, JavaScript/TypeScript, SQL, HTML/CSS, Assembly, Verilog
Frameworks/Libraries: .NET/ASP.NET, Spring Boot, React/Node.js, Express, Pandas, NumPy, SKLearn, PyTorch
Tools: Git, VSCode, Visual Studio, Qt Creator, JetBrains's Suite, Office 365, Android Studio, Figma, UNIX, Matplotlib
Interests: Former varsity athlete (baseball, track, volleyball); travel; golf; finance, quant, and inv. banking/private equity