

Arsham Mirenayat

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PROFESSIONAL SUMMARY

- Civil Engineering **third-year** student at University of Toronto with **1 year of experience** in **project coordination assistance** and **team planning**, structural testing, engineering drawing review, and technical documentation across lab and construction environments.
- Assisted **5 PhD structural projects** at UofT's Structural Testing Facilities, by preparing specimens, equipment setup, concrete casting, and **systematic documentation** for the adjustable multidimensional testing module.
- Experienced in **assisting project managers**, preparing inspection reports, verifying 10+ site checklists, **coordinating construction activities** for club teams, using engineering software tools.

WORK EXPERIENCE

Structural Laboratory Assistant Coordinator

May 2026 – Sep. 2026

Structural Testing Facilities of UofT, Toronto ON

- Developed a centralized documentation system for the world's first adjustable multidimensional testing module (AMD). Integrated up to **30 engineering drawings** and measurements, organizing equipment references, fastener data, component weights and volumes, and supporting records.
- Introduced and implemented a **mapping system for 600+ strong-floor anchor points**, to create a clear reference system for lab navigation, test setup planning, and future experimental configurations.
- Coordinated **5 PhD research projects** involving nuclear containment structures, reinforced low-carbon concrete panels, seismic testing, and other structural systems.
- Prepared specimens and set up testing equipment. **Casted concrete for 2 cylindrical specimens, 4 reinforced concrete panels and 6 induvial beams**. Used variations of saws and grinder to cut rebars and timber pieces for project purposes.

Project Coordinator Intern, Arvin Rahsaz Construction, Tehran Iran

Jun. 2023 – Sep. 2023

- Assisted senior project managers in **preparing meeting agendas**, and inspection reports for **2 residential projects** in the city of Tehran.
- Conducted inspections of incoming materials and **verified 5+ site entry checklists**, facilitating senior supervisors' workload and accelerating site approval processes by 2 hours per day.
- Learned basic **negotiation techniques** while helping project owner in **5+ meetings** with contractors and international partners in collaboration opportunities, by summarizing key meeting points.

EDUCATION

University of Toronto – Toronto ON

Sep. 2024 – Apr. 2029 (Expected)

Bachelor of Applied Science and Engineering - Civil Engineering + PEY Co-op

Minor in Engineering Business & Environmental Engineering

- Relevant Courses: Construction Management, Structural Analysis, Computer Programming Organizational Behaviour & Leadership, Survey Camp (Highway Curve & Topographic Map Design)

St. Andrew's College – Aurora ON

Sep. 2022 – Jun. 2024 (Graduated)

CLUB INVOLVEMENT & PROJECTS

Construction Director & Team Co-captain Troitsky Bridge Design Club, UofT, Toronto ON

Sep. 2025 – Present

- Prepared and organized construction materials for four UofT teams by cutting wooden bridge members **using band saws** to ensure consistent dimensions and build accuracy.
- Directed construction activities for 4 teams representing the University of Toronto while **overseeing coordination across the club** as Construction Director.
- Collaborated with team members to design and construct a competition bridge under strict material and load requirements.

Communications Associate, City of Toronto, Toronto ON

Jan. 2025 – May 2025

- Performed a data evaluation tool in UofT's collaboration with the City of Toronto's RentSafeTO program, to improve fairness in the data analysis and clarity in apartment building inspections.
- **Led communications** with the client via email, for meetings, arrangements, data gathering, and design proposals. Presented the team's design for the client and their assistants in person.
- Contributed to the **resolution of a critical team conflict** near the project deadline by mediating responsibilities and refocusing the group, ensuring all final tasks were completed on time.

VOLUNTEER WORK

Private Tutor & Tutoring Team Lead, SuperProf, Toronto ON

Mar. 2024 – Present

- Educated **20+ students** at various levels from middle school to university, as a **personal tutor**, to improve their knowledge and implementation skills in the subject in question.
- Applied engaging learning relative to the students' behaviour to educational challenges to build self-confidence and reduce fear of failure.
- Improved students' academic performance through in-person/online sessions **by an average of 15%**.
- Created a systematic **team of 5+ tutors** who are trained to tutor uniquely through my 3-year experience in tutoring, to help students **achieve the best performance in examinations**.
- Coordinate and manage communications and plannings between my team's tutors and students.

Founder of Persian Cultural Society, St. Andrew's College, Aurora ON

Nov. 2023 – Jun. 2024

- Founded the Persian Cultural Society to promote Persian culture through **20+ weekly activities and meetings**.
- Organized cultural celebrations such as Nowruz (Persian New Year), featuring traditional food and showcasing Persian tradition in the school for the **first time in the college's history**.
- Established a sustainable structure for the club to continue under future student leadership after graduation.

TECHNICAL/PROFESSIONAL SKILLS & QUALIFICATIONS

- Software: Java, Python, C#, AutoCAD, Rhino3D
- Professional: Public Speaking, **Professional Communication** & Presentation, Supportive Leadership, Teamwork, **Crisis Management**, Problem-Solving Adaptability
- Construction: Concrete Casting, **Land Surveying**, Reading Construction Drawings, Power Tools
- Office: Excel, Word, PowerPoint, SharePoint
- Languages: Fluent in English and Persian, Elementary in Spanish