# Profile

Mechanical Engineering graduate with a strong academic background and excellent work ethic. Being chosen as the CAD Team Lead gave me the opportunity to prove my leadership abilities and improve team efficiency by upwards of 50%. Demonstrated interpersonal and communication skills by holding weekly project progress meetings and by mentoring a group of 12 members towards the completion of the CAD assembly model. An analytical thinker with a knack for solving problems in a creative yet organized manner.

* CAD/CAM: CATIA V5, Solidworks, ANSYS, AutoCAD
* Office Applications: Microsoft Office (Word, Excel, PowerPoint, Project, Visio), SAP
* Programming: GCode, C++, Java, Python, MATLAB, LabVIEW, Arduino
* Practical Training: Machining, 3D Printing, CNC, Laser Engraving and Cutting
* Other Skills: «Skill 1», «Skill 2», «Skill 3»

# Education & Certification

**Certified Associate in Project Management (CAPM) 2015-Present**

Project Management Institute (PMI)

**Bachelor of Engineering in Mechanical Engineering 2017**

Concordia University, Montreal, Quebec

Graduated with Distinction

# LANGUAGES

* **English**: Native or bilingual proficiency (ILR Level 5)
* **French**: Professional working proficiency (ILR Level 3)
* **Bengali**: Professional working proficiency (ILR Level 3)
* **Hindi**: Limited working proficiency (ILR Level 2)
* **Urdu**: Limited working proficiency (ILR Level 2)

# Experience

**Prototype Manufacturer** **2017-Present**

Freelance Contractor, Montreal, Quebec

Founded and operated a micro-manufacturing workshop that provides additive manufacturing (3D printing), CNC, laser cutting, and engraving services. Worked closely with clients from diverse educational and cultural backgrounds.

* Reviewed client’s design, provided design feedback and manufacturability analysis to the client, and incorporated approved changes into the project
* Analyzed and assessed client’s requirements, and planned production process based on available resources and project schedule
* Established and maintained a positive and productive relationship with the client in all stages of the project, as well as, after project completion

**Structural Design & CAD Specialist, CAD Team Lead 2016-2017**

NCADE Capstone Aircraft Design Project, Montreal, Quebec

Collaborated with a multidisciplinary team of 30 members in the first Aerospace Capstone Project at Concordia University. Researched and developed the structural design of the aircraft's wing, fuselage, and empennage. Incorporated work from all teams into a unified CAD model.

* Headed a CAD workshop with 12 members to produce a preliminary model of the aircraft using a total of 96 man-hours
* Developed a Java GUI application to calculate initial weight sizing of the aircraft using a total of 40 man-hours by utilizing fast-learning and creative problem-solving skills
* Implemented parametric modeling in CATIA to streamline the CAD process and saved upwards of 50% of the team's time

**Engineering Operations Intern - Sulfur Handling Facility**  **2016**

Husky Energy Inc., Ram River, Alberta

Monitored process variables, noted abnormal conditions, and carried out appropriate changes.

* Troubleshot process upsets - maintained 1800 tons/day sulfur slate production
* Performed fire/safety watch, extinguished fires - 0 injuries/reportable incidents
* Installed pipes pools, valves, and pumps - completed plant turnaround on schedule
* Contained and treated rainwater runoff - 0 spills/uncontrolled releases

**Engineering Co-op - Projects and Technical Services** **2013-2014**

Husky Energy Inc., Calgary, Alberta

Assisted Project Managers with the execution of ongoing capital projects by preparing project management plans, holding pre-construction meetings, and collaborating with internal and external stakeholders to ensure project completion within budget and schedule while maintaining quality.

* Managed project milestones and deadlines
* Conducted regular Risk Management meetings with stakeholders from three separate projects, and maintained corresponding Risk Registers
* Used AutoCAD extensively to review redline drawings
* Presented project updates to management and team, and extensively utilized Excel and SAP skills to assist Project Controls in the generation of weekly project summaries
* Completed small projects at two separate remote sites
* Contributed to engineering documents, such as engineering bid packages
* Coordinated a Technical Bid Evaluation for Front End Engineering Design (FEED) phase of a $400MM project as an unbiased facilitator
* Briefed new team members by conducting 3D CAD Reviews of ongoing projects