

# Kai Fucile Ladouceur, CMfgA

Aerospace Manufacturing and Mechanical Engineering Technologist  
Working Towards OACETT Certified Engineering Technologist

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## SKILLS

**Mechanicals skills:** Experience reading, translating, creating and executing engineering designs (Confederation College)  
**Problem-solving skills:** Experience in developing unique solutions by narrowing down problems (Manufacturing)  
**Aware:** Alert and aware of surroundings for potential hazards (Maintenance)  
**Autonomous:** Can work autonomously and take initiative (Manufacturing)  
**Quick-learner:** Capable of rapidly picking up new skills (Confederation College)  
**Communication skills:** Capable of conversing clearly and with precision both verbally and written (Confederation College)  
**Software skills:** CAD and CAM programs, Office Suite (Confederation College)  
**Team player:** Gets along with colleagues and works well on team (SUCCI)  
**Reliable:** Follows through to complete projects and shows up on time (Manufacturing)  
**Determined:** Remains positive and assured even under the most taxing circumstances (Martial Arts training)  
**Accountable:** Takes responsibility for actions and looks to address and fix the problem (Manufacturing)

## EDUCATION/CERTIFICATIONS

**Ontario Association of Certified Engineering Technicians and Technologists (OACETT)— Student Member**

May 2025

**Society of Manufacturing Engineers (SME) — Certified Manufacturing Associate (CMfgA)**

June 2025

**Confederation College, Thunder Bay — Aerospace Manufacturing Engineering Technology/Technician** May, 2024 - June 2025

Received the Academic Award of Excellence. Received Board of Governors Achievement Award. GPA: 4.0

**Confederation College, Thunder Bay — Mechanical Engineering Technology/Technician**

Sept. 2021- June 2024

Received the Academic Award of Excellence. GPA: 4.0

## VOLUNTEER, LEADERSHIP OR CO-CURRICULAR EXPERIENCE

**Confederation College Maker Club, Thunder Bay — Founding Member**

Sept. 2023 - Present

Worked closely with a group of passionate creators to develop a club focused on making projects. Led, designed and built various projects including a model rocket, die trebuchet, and carbon fiber Death Star. Effectively managed projects to control for various factors and meet set deadlines

**Confederation College Performing Arts Club, Thunder Bay — Former President and Member**

Sept. 2022 - Present

Became a confident public speaker and quick on my feet. Helped others become the best versions of themselves.

**Soengkono World Class Martial Arts, Thunder Bay — Student and Part-Time Instructor**

2006 - 2021

Brought enthusiasm and energy to every class and learned determination, impeccability and resilience.

## WORK EXPERIENCE

**Student Union of Confederation College Inc (SUCCI), Thunder Bay — President**

May, 2025 - Present

Developed key communication skills for understanding student needs and disseminating them to the rest of the staff through reports, professional emails and meetings. Learned how to work effectively as a team and being a role model in my community. Developed important organizational skills using Outlook especially to keep track of projects/work, and plan meetings. Experienced being on a governing board and being part of a structured organization.

**Confederation College Manufacturing Department, Thunder Bay — Manufacturing/Makerspace Technician**

May 2024 - April 2025

Developed learning material for classes. Worked with and maintained the equipment in the manufacturing department including CNC machines, welding equipment, shears, presses, programmable ovens, etc.. Worked with laser cutter and 3D printers in Makerspace to develop products for staff and students. Maintained the makerspace and the equipment.

**Confederation College Applied Research Department, Thunder Bay — Research Assistant**

May - Aug. 2024

Collaborated with industry partners and college staff to design, prototype, and test innovative projects. Enhanced my understanding of CAM and CAD programs including: Solidworks, Fusion 360, MasterCAM, AutoCAD, CATIA.

**Confederation College Facilities Department, Thunder Bay — Mechanical Helper**

May - Aug. 2023

Worked alongside the maintenance staff to fix mechanical and electrical problems throughout the school. Took initiative and became self-reliant when problem-solving and troubleshooting. Developed critical problem-solving and keen perceptive skills which helped me find and resolve errors. Developed a better understanding of health and safety in the workplace. Developed an understanding for how the HVAC and plumbing systems worked in the college.