Job Posting:170538 - Position: F25 Software Engineering Student Intern 170538

Co-op Work Term Posted: 2025 - Fall
App Deadline   06/23/2025 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 06/09/2025 04:26 PM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization   Lincoln Electric
City   Toronto
Province / State   ON
Country   Canada

JOB POSTING INFORMATION

Placement Term   2025 - Fall
<b> Job Title <b>   F25 Software Engineering Student Intern 170538
Position Type   Co-op Position
Job Location   Waterloo, ON
Country   Canada
Duration   4 months
Salary Currency   CAD
Salary   Salary Not Available, 0 Major List
Job Description

Job Title: Software Engineering Student Intern (4 month term)
Lincoln Electric is the world leader in the engineering, design, and manufacturing of advanced arc welding solutions, automated joining, assembly and cutting systems, plasma and oxy-fuel cutting equipment, and has a leading global position in brazing and soldering alloys. Lincoln is recognized as the Welding Expert™ for its leading materials science, software development, automation engineering, and application expertise, which advance customers' fabrication capabilities to help them build a better world. Headquartered in Cleveland, Ohio, Lincoln Electric is a $4.2B publicly traded company (NASDAQ:LECO) with over 12,000 employees around the world, with operations in 71 manufacturing and automation system integration locations across 21 countries and maintains a worldwide network of distributors and sales offices serving customers in over 160 countries.
Location: **Waterloo**
Employment Status: **Hourly Full-Time**
Function: **Engineering**
Job Responsibilities
• To report directly to the R&D Software Manager- Waterloo, LE Automation on an ongoing basis and communicate all relevant matters pertaining to the business units within the company.
•To work as part of a small team in a start-up environment with the benefits of working for a multi-national organization.
•Develop features in a TypeScript application which control the programming of various welding processes.
•Design and implement UI features that guide users through programming a robotic weld.
•To design, integrate, test, deploy, and maintain new software to facilitate the robotic functionality and interactions that perform various industrial fabrication tasks such as welding, cutting, and additive manufacturing.
•To work alongside engineering teams to integrate software into robotic systems and subsystems
•To aid in the design of solutions that will simplify the ability to program industrial robotic arms in welding applications and perform

industrial robot calibration.

Lincoln Electric is an Equal Opportunity Employer. We are committed to promoting equal employment opportunity for applicants, without regard to their race, color, national origin, religion, sex (including pregnancy, childbirth, or related medical conditions, including, but not limited to, lactation), sexual orientation, gender identity, age, veteran status, disability, genetic information, and any other category protected by federal, state, or local law.

Job Segment: Testing, Computer Science, Welding, Fabrication, Developer, Technology, Manufacturing

Job Requirements

Job Requirements

• Pursuing a degree in computer science, computer/systems design/mechatronics engineering or other related fields

•Software Engineering skills in software design, programming (C, C++, JavaScript, TypeScript, or Python), and debugging.

•Experience with C# in a desktop environment (MS .NET, WPF, etc.)

•Experience with collaboration and continuous integration tools (Azure, Microsoft TFS/DevOps, GitLab, etc.)

•Exposure to object-oriented programming, algorithm design, and software architecture best practices

•Exposure to Agile Scrum workflow

•Desirable Qualifications:

• Experience writing software that interfaces with hardware applications

•Experience working in automation, robotics and/or electromechanical systems.

•Understanding of robot kinematics and trajectory planning

•Experience in welding or knowledge of welding processes

Citizenship Requirement   N/A

APPLICATION INFORMATION

Application Procedure   Through Employer Website

Cover Letter Required?   Optional

Special Application Instructions

Application Link:

https://jobs.lincolnelectric.com/job/Waterloo-Software-Engineering-Student-Intern-%284-month-term%29-ON-ON-N2L-

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Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website. Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received. Students should submit their applications as soon as they are ready.