IAESTE SWEDEN

INTERNSHIP OFFER

Ref. No. SE-2024-9-VOL

Internship Host Information

Internship Host:	Volvo Car Corporation	Website: http://www.volvocars.com
		Location of placement: Torslanda, Gothenburg
		Nearest airport: Landvetter
	SE-405 31 Göteborg	Working hours per week: 40.0
	Sweden	Working hours per day: 8.0

Number of employees: 27000
Business or products: Vehicles

Student Required

General Discipline:	COMPUTER AND INFORMATION SCIENCES; MECHANICAL ENGINEERING;ENGINEERING	*Completed years of study:*	4
Field of Study:	.Mechanical Engineering.;.Engineering Physics/Applied Physics.;.Mechanical Engineering.	*Student status requirements:*	Master's student or recent graduate.
		Language required:	English Excellent (C1, C2)

Required Qualifications and Skills:

Python | Java | Data Science

Other requirements:

Interest in automotive. (We are testing team working with testing in Windtunnel, Climatetunnel and Proving Grounds)

-Programming experience with java, python, and bash
-Knowledge of data science, including natural language processing, image analysis and data visualization
-Experience of version control, preferably Git
-Ability to work independently and part of a team

Internship Offered

We are seeking a software developer to join our team. In this role, you will be our main software developer, responsible for maintaining and improving our internal tools. This includes a Java project for automating fluid dynamics simulations in STAR-CCM+ and an image analysis tool based on ImageJ for segmentation of contaminated regions.

Additionally, you will have the opportunity to develop new tools within the area of data science. Including natural language processing to find survey responses related to contamination and analysis of vehicle logs to gain insights about performance degradation related to contamination. You will also work on different ways of presenting and visualizing the data.

If you have a passion for software development and data science, we encourage you to apply for this opportunity.

Number of weeks offered:	26 - 72	*Working environment:*	Research and development
Within the months:	15-JAN-2024 - 31-MAY-2025	*Gross pay:*	21200 SEK / Month
Or within:	-	*Deduction to be expected:*	25
Company closed within:	15-JUL-2024 - 09-AUG-2024	*Payment method / time of first payment:*	Bank Transfer /
Latest possible start date:	01-MAR-2024		

Accommodation

Canteen at work:	No		
Expected type of accommodation:	Apartment	*Estimated cost of lodging:*	6000 SEK / Month
Accommodation will be arranged by:	the student with help from IAESTE LC Göteborg	*Estimated cost of living incl. lodging:*	12000 SEK / Month

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Additional Information

Nomination Information

Deadline for nomination: 15-NOV-2023

Date:	31-OCT-2023	*On behalf of receiving country:*	IAESTE Sweden