



LUCAS ALEXANDRE DE CARVALHO

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Summary

Current PhD student at the University of Miskolc in Hungary. Master's Degree studies related to deep drawing process and tribology. Volunteer experience as a teacher in a project supported by the Brazil-Germany Association for Social Development. Has a large experience in university projects (teaching, research and extension projects). Worked at MEDICOR Hand Instrument Co. and at the Railroad Maintenance Management section at MRS Logistics. Attended a sandwich undergraduate degree through the Science Without Borders program.

Nationality: Brazilian.

Education

UNIVERSITY OF MISKOLC - Miskolc, 2020 – current

PhD in Mechanical Engineering and Informatics.

FEDERAL UNIVERSITY OF SÃO JOÃO DEL-REI - UFSJ, São João del-Rei, 2018 - 2020

MSc in Mechanical Engineering.

FEDERAL UNIVERSITY OF SÃO JOÃO DEL-REI - UFSJ, São João del-Rei, 2010 - 2017

BSc in Mechanical Engineering.

Undergraduate Programs

Science Without Borders Scholarship – CAPES, 2014 - 2015

Host Institution: University of Debrecen

Type of study: Academic Exchange Program

Course: Bachelor's Degree in Mechanical Engineering

Institutional Program for Scientific Initiation Scholarship – FAPEMIG, 2013 - 2014

“Effect of the variation of cutting parameters on surface roughness in the turning process of a 304L stainless steel”

Professor (mentor): Dr. Lincoln Cardoso Brandão

Institutional Program for Scientific Initiation – UFSJ, 2013

“Definition of Ti-6Al-4V alloy temperature values during drilling process using an Infrared thermography technique”

Professor (mentor): Dr. Marcos Sávio de Souza; Dr. Lincoln Cardoso Brandão

Tutorial Education Program Scholarship – UFSJ/ Ministry of Education, 2011 - 2013

Emphasized on Materials and Technological Innovation, the program aims to promote the qualification of higher education in line with academic, scientific and social education.

Professor (mentor): Dr. Antonio Luis Ribeiro Sabariz

Work Experience

Trainee, 01/2017 - 07/2017

MRS - Logística, BRAZIL

- Support for management and control of manpower, service requests and maintenance contracts.
- Providing performance improvement and agility in problem-solving.
- Participation in the Failure Analysis Group, assisting in failure analysis and improvement of maintenance processes.

Trainee, 06/2015 - 08/2015

MEDICOR Hand Instruments Co., HUNGARY

- Planning of surgical materials using computer-aided design (CAD).

Volunteer Work

Teacher, 01/2019 - 08/2020

ABADS - Brazil Germany Association for Social Development.

- Physics teacher.
- The project aims to serve the community in order to provide a learning and motivational environment for the students to enter in a Brazilian Public University.

International Experience

Science Without Borders Program, 2014 - 2015

University: University of Debrecen

Stipendium Hungaricum, 2020 - current

University: University of Miskolc

Short-term Courses

- Teaching and Learning Strategies – IFMG (150h)
- Technologies in Education – IFMG (150h)
- Introduction to Accessibility in Distance Learning – UFMG (15h)
- Training of University Entrepreneurs – INATEL (20h)
- Training Multipliers in Accessibility – UFSJ (15h)
- Visual Communication, Publicity and Advertising – COMPUWAY (94h)

Skills

- Level B2 English proficiency (CEFR), certificated by TOEFL ITP.
- Current studying Spanish and Hungarian.
- Research skills in the area of Manufacturing Processes.
- Strong organizational and prioritization skills along with keen attention to detail.
- Good interpersonal skills, with an ability to work both independently and collaboratively.