LUIS MATIAS
MECHANICAL ENGINEER
CURRICULUM VITAE

Covilhã, Portugal

20/06/1994 (27)

CONTACTS

+351 925 224 998

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SKILLS

- SolidWorks (Certified)
- Ansys
- Python 3
- HTML 5 + CSS 3
- Office Products
- Matlab

LANGUAGES

- Portuguese (Native)
- English (Intermediate - B1)

INTERESTS

- Product Development
- Manufacturing
- Python Scripting
- 3D Printing
- Web Development
- Travel
- Photography

WORK

2021 (DECEMBER) ——————————————— **CURRENT**

📍 Porto, Portugal

Research Fellow

INEGI - Institute of Science and Innovation in Mechanical and Industrial Engineering

Project: "Coronary Artery Disease Numerical Simulation and Functional Assessment by Advanced Computed Tomography"

EDUCATION

2022

📍 Porto, Portugal

Master Degree in Mechanical Engineering

Porto University - Faculty of Engineering (FEUP)

Dissertation (Classification - 18): "Semi-Automatic Method of Stent Development in Coronary Arteries with Stenosis - Hemodynamic Simulations"

2015

📍 Lisbon, Portugal

Baschelor Degree in Mechanical Engineering

NOVA School of Science and Technology (FCT-UNL)

EXPERIENCES

2017 (3 MONTHS)

📍 Phutthamonthon, Thailand

Internship - Assistant Professor

Rajamangala University of Technology Rattanakosin – Faculty of Engineering (RMUTR)

Assisting mechanical engineering students in studies and projects.

2017 (1 WEEK)

📍 Chiang Mai, Thailand

Volunteer - Elephant Rescue Center

Elephant Nature Park

Caretaker of abused elephants and dogs.

PUBLICATIONS

2022

Dealing with CT Cardiac Imaging Using Python: An Approach for Future Hemodynamic Simulations

L. Matias, C. F. Castro, C. C. António, L. C. Sousa, S. I. S. Pinto, S. Silva

In Proceedings of the 9th International Conference Mechanics and Materials Design, M2D2021, 26-30th June 2022, Funchal, Portugal.

ISBN and DOI are still undefined. In Press. Paper to be presented orally.

2022

Semi-Automatic Method of Stent Development for Hemodynamic Simulations in Patient Coronary Arteries with Disease

L. Matias, C. F. Castro, C. C. António, L. C. Sousa, S. I. S. Pinto

Theoretical Analyses, Computations, and Experiments of Multiscale Materials. Advanced Structured Materials, Springer.

ISBN and DOI are still undefined. In Press.