

REBECCA MADEIRA

Lisbon, Portugal | (+351)912280251 | jessicamadeirab@gmail.com

I am 24 years old and did my university studies in Lund, Sweden. I have a bachelor's degree in Physics and I am passionate about programming and technology. I am looking forward to enter the job market, and be involved in a challenging project where I can learn and grow.

Education and Training

The Complete Web Developer in 2021: Zero to Mastery at Udemy

Mar 2021 – Present

- Recently started na online course focused on HTML, CSS, and Javascript

Bachelor of Sciences in Physics at Lund University, Sweden

Aug 2016 – Jan 2021

- During my bachelor's studies, the optional courses I chose were programming courses, both in Python and C++. I did my bachelor thesis in Particle Physics, studying/testing the impact of different particles on the Software Simulation time of the events detected by ATLAS, using Geant4(C++), in order for the 4th run of the LHC not to over exceed the CPU resources available at CERN.

High School Certificate at Escola Técnica e Liceal Salesiana do Estoril, Lisbon

2012 – Jun 2015

Work Experience

High School Tutor

Sep. 2015 – Present

Physics, Chemistry and Mathematics tutoring with preparation for the National Exams

Digital Skills

- Proficient in Python / Proficient in C++/ Proficient User of Latex / Familiar with Bash Scripting / Familiar with MATLAB / Monte Carlo Simulation with Geant4 / Microsoft Office

Additional

- **Languages:** Native in Portuguese, fluent in English, basic conversational in Swedish
- **Hobbies:** Crafting, Tattooing, Yoga, Hiking

Publications

- Madeira R. "Impact of different primary particles on Geant4 simulation execution time - study on protons and pions" (2021). Bachelor thesis. Lund University.
- Marcon C., et al. "Studies of GEANT4 performance for different ATLAS detector geometries and code compilation methods", In *25th International Conference on Computing in High-Energy and Nuclear Physics (CHEP)*. May 2021. URL: <https://cds.cern.ch/record/2765703>