# A person holding a sign posing for the camera Description automatically generated

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# **Education**

## Integrated Master in Informatics and Computing Engineering 2017 - 2022

### University of Porto - Faculty of Engineering

* **Relevant coursework**: Graphical Computation, Algorithms and Data Structures, Databases, Web Development, Drivers, Computer Networks, Artificial Intelligence, Algorithms Design and Analysis, Software Engineering, Parsers and Compilers, Distributed Systems

**Selected projects**

**Built a 3D Printer from scratch [Arduino, Blender, Cura, Autodesk]** Fev 2019 - Apr 2020

* Achieved a large volume 3D printer at half of the commercial value of a small printer, by assembling an Arduino and its respective hardware extensions
* Adapted and implemented the Marlin 3D printer software to be compatible with my setup and designed several 3D models using Blender/ Autodesk Maya

**Low-level roguelite room-based top-down shooter game [C]** Set 2018 - Jan 2019

* Programmed several base peripheral devices such as the mouse, keyboard, GPU, CPU clock and serial port
* Programmed the game logic and designed all the game sprites/UI/animations

## Rental Eye [CSS/PHP/SQLite] Set 2019 – Jan 2020

* Designed and implemented a website for the rental of houses and apartments

# **Skills**

**Programming Languages:**

**C/C++** (3yr), **Java** (1yr), **Java Script** (1yr), **WebGL** (1yr), **Lua/Scheme** (6mos), **Prolog** (3mos), **HTML/CSS/PHP** (1yr),

**GDScript** (2mos), **Python** (3mo)

**Frameworks:**

**React** (1mo), **Laravel** (3mos)

**Technologies:**

Git, SQLite, Godot, Unity, Unreal Engine, Blender, Autodesk Maya, Photoshop/Adobe Illustrator, Microsoft Office,

Linux, VisualStudio, CLion/IntelliJ IDEA

**Languages:**

**Portuguese** (native), **English** (fluent), **Spanish** (can fully understand), **French** (basic)

**Drivers Licence** (B,B1)

**Awards**

* Open Source Siemens/Web Summit Competition - 2018 and 2019
* Honorable Mention Global Game Jam - 2018
* Finished high school with a GPA of 19/20 - 2017
* 1st place ChemRUs [National] – 2017 // 1st place Chemistry Rediscovered – Playing with chemical reactions [International] - 2017
* 3rd place “CienTIstas e ArTIstas II” Texas Instruments [National] – 2016
* Gold (2012) and Bronze (2014) at the International Mathematical Olympiad - Olimpíadas Paulistas
* PMAT Top20 [National] – 2012, 2013, 2014

# **Extracurricular activities**

* 3D modeling and printing commissions, such as deck boxes and statues
* Four Game Jams (Global Game Jam 2018/2019 and Retro Game Jam 2017/2019)
* Several game inspired cosplays (Big Daddy from Bioshock, Fl4k from Borderlands, etc) and built an Aluminum/Iron forge from scratch
* Was contracted to design a monogram for a wedding (and I have past visual design experience)