

Education

University of Porto

2017-2022

Portugal

Faculty of Sciences

Integrated Master of Science in Network Engineering and Information Systems

Completed 162 ECTS

Integrated Masters in the areas of Engineering were restructured following decree law 65/2018

Faculty of Engineering

Bachelor in Informatics and Computing Engineering

Completed 180 ECTS

Lund University

2022-present

Sweden

Faculty of Engineering

Master of Science in Virtual Reality and Augmented Reality

Ongoing

Experience

GNU social v3

2021-present

Lead Developer

<https://codeberg.org/GNUsocial/gnu-social>

GNU social is a free, social networking platform that enables both private, and public decentralized communications. GNU social is the oldest of the federated networking platforms that make up the Fediverse. And through protocols made standard by the community, one is able to interoperate with other instances of other platforms that follow them. Such as Mastodon, Pixelfed, Pleroma, and PeerTube to name a few.

I started my contributions to the project as part of the GNU Summer of Code 2020, where I've designed and implemented an accessible, modern-looking frontend for GNU social v3. My prior contributions to GNU social were well received. And, given support from the NLnet NGI Zero Discovery grant, the project welcomed me on board to continue working as a full time developer in the second half of 2021.

I've since then worked in both backend and frontend elements, and helped realize the design and implementation of a truly modular platform. The system is divided into 3 degrees of separation: Core, Components, and Plugins. This allows us to interface with various aspects of the platform, reducing repetition of logic, and create a more resilient stack ready for third-party plugins.

I'm now one of the Lead Developers of the project. As part of the GNU project, I benefited from a large and multicultural community, which provided valuable feedback. And by working in a project of such a scale, I developed team working and web development skills.

Technologies: Docker, PHP, Symfony, Twig, HTML, CSS

Summer/Winter Schools

EUGLOH

2021

European University Alliance for Global Health

Exchange Studies on Entrepreneurial Skills

Lund University School of Economics and Management (LUSEM)

1.5 ECTS

Training on entrepreneurial knowledge and skills, the course introduced us to the development process of an entrepreneurial project, the mindset that is needed for that process to take place, and the dynamics of team work. In the end, we were tasked to develop a solution in 2 days and present it to stakeholders which would rank us in relation to the other teams. There were 6 teams in total, we ranked 2nd.

Introduction to E-health

Lund University School of Economics and Management (LUSEM)

7.5 ECTS

The course, while focused on E-health, provided knowledge about process analysis and information security in complex, modular systems. Which was understandably advantageous when working on the GNU social project.

Skills

Languages

Portuguese (native speaker)

English (CEFR Level C2)

Technologies

Proficient in C/C++, OpenGL, GLSL, Java and PHP.

Worked in smaller/personal projects with Python, JavaScript and Haskell.

Familiar with Unity and Godot game engines. I'm also a GNU/Linux aficionado.