

JOAN VINYALS YLLA-CATALÀ

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EDUCATION

Bachelors degree in Computer Engineering
at Universitat Politècnica de Catalunya, UPC

September 2016 - Present

Baccalaureate in Technology.
at Escola Pia Mataró

September 2014 - June 2016

CARRIER OBJECTIVE

Since I was young my passion is to understand how things work, for this reason I applied for a Physics's degree at *Universitat de Barcelona*. Sadly I was rejected so I ended up coursing Informatics Engineering, at *Universitat Politècnica de Catalunya*, where I developed a passion for Computer Engineering. Nowadays I am interested in High Performance Computing and, I would love working in this field. On the other hand I am still interested in Physics's so applying for a degree on it is still in my future plans.

PROJECTS

Student Cluster Competition

Present

The ISC HPCAI Advisory Council Student Cluster Competition enables international STEM teams to take part in a real-time contest focused on advancing STEM disciplines and HPC skills development at ISC 2019 from June 16-20.

paraevaluar

The project aims at developing a tool for performance evaluation comparison between different versions of the same application.

<https://github.com/joanvyc/paraevaluar.git>

zeOS

This is the project for the subject *Sistemes Operatius 2* (at UPC), which consisted on developing a simplified kernel for educational purposes.

<https://github.com/teleportex/zeos.git>

SKILLS

Computer Skills

Programming languages

C, C++, x86, Python, Bash, Haskell

High Performance Computing

Open-MP

HDLs

SystemVerilog, VHDL

CVS

Git

Software & Tools

Vim, L^AT_EX, OpenOffice, Microsoft Office

Unix System Administration

Embedded

Arduino

Raspberry Pi

PIC micro-controller

LANGUAGES

Catalan: *Native language (Level C)*
Spanish: *Native language*
English: *Level B2*

WORK EXPERIENCE

This section does not have any entry yet, feel free to add one.

EXTRA-CURRICULAR

Secretary at LinuxUPC - a student association aimed to promote free software at UPC.
Took part in the ARM SVE Hackathon at BSC - 21/02/2019
Took part in the BSC/UPC HPC Hackathon where I discovered OmpSS@fpga - 30/11/2018
Took part in the HackUPC 2018 edition - 19/10/2019
Hackbordeaux 2017
CopenHacks

PERSONAL INTERESTS AND EXPERIENCES

Free Software: I am personally fascinated by all the free software community whereas I am not still a contributor I am keen on it.
Computer Micro-architecture: I have always been drawn to understanding how things function, so at the moment I got involved with Informatics Engineering I started generating a great interest in this topic.
Programming: I am fascinated about programming because I can solve real world problems using all the power given by computers.
Summer Travel to Dublin: Back in 2015 I went to a student camp in Dublin to improve my speaking level of English and also to seize a life experience.