

# JOAN VINYALS YLLA-CATALÀ

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## EDUCATION

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**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

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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

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### **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

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### **Computer Skills**

Programming languages	<i>C, C++, x86, Python, Bash, Haskell</i>
High Performance Computing	<i>Open-MP</i>
HDLs	<i>SystemVerilog, VHDL</i>
CVS	<i>Git</i>
Software & Tools	<i>Vim, LATEX, OpenOffice, Microsoft Office</i>
Unix System Administration	

### **Embedded**

Arduino
Raspberry Pi
PIC micro-controller

## LANGUAGES

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Catalan:	<i>Native language (Level C)</i>
Spanish:	<i>Native language</i>
English:	<i>Level B2</i>

## WORK EXPERIENCE

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

## EXTRA-CURRICULAR

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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

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**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.