



Víctor A. Gil

Chief Technology Officer

C/ Roc Boronat, 08018 Barcelona, Spain

vgil@zymvol.com

es.linkedin.com/in/víctor-a-gil-4509b0115

Education

2010 – 2016

Ph.D. Biomedicine

Universitat de Barcelona, Spain

2007 – 2009

M.Sc. Biomedical Engineering

Universitat Politècnica de Catalunya, Spain

2001 – 2006

B.Sc. Computer Engineering

Universitat Politècnica de Catalunya, Spain

Expertise

Proteomics



Innovation



HPC



Data Science



Python



C++



Interests

- Technology
- Programming
- Biomedicine

Summary

Scientist and Research Software Engineer with more than 8 years experience crafting scientific software in C++ and Python. Experienced developing High Performance Computing software. I have successfully led small software projects. Curious by nature, I like to discover and learn new electronics and computer science related technologies.

Experience

Co-Founder & CTO – Zymvol • 2017-

Implementing and supervising the software infrastructure. Contacting and managing new software providers. Selecting and leading programmers. Maintaining and open research lines related with computational tools.

Senior Software Engineer – IUL, S.A. • 2017-2019

Main tasks: Rewrite the code a lab analysis machine in Python. Redesign of the custom language driving robotics. Implementation of the new communications stack (for sensors and peripherals). Preparation and administration of the OS of the device. Implementation of a test interface for a touch panel. Management of the team in charge of the final UI design.

Research Software Engineer – Barcelona Supercomputing Center • 2010-2016

Responsible for the design, planning, organization and execution of Molecular Biology experiments. Study and characterization of the signaling pathways involved in plant reproduction. Teaching assistant in courses “Genetic and Proteomic Expression” and “Developmental Biology”.

Research Software Engineer – Center For Genomic Regulation • 2009-2010

Study and characterization of N-glycoprotein traffic within the plant cell, for production of recombinant proteins of industrial/pharmaceutical interest. Teaching Assistant and Project Co-Supervisor. Laboratory in assistant Plant Physiology practicum course.

Junior Research Software Engineer – Barcelona Supercomputing Center • 2006-2007

General research and implementation of sampling algorithms using normal modes, molecular dynamics and machine learning based approaches.