

Francisco de Villalobos

CONTACT INFORMATION

4035 Spruce St., Apt 2F, Philadelphia, PA 19104. (718) 668-5439. E-mail: frade@seas.upenn.edu / franciscodevillalobos@gmail.com

PROFESSIONAL EXPERIENCE

UPenn – Mechatronic Systems TA – Philadelphia, Pennsylvania

Sept. 2014 - Dec. 2014

Teaching Assistant

- Laboratory inventory and stock control.
- Student Project supervision and implementation.
- Analog and Digital electronic circuits, microprocessor programming and robot design.

P&F S.A. (Process and facilities for Manufacturing Systems) – Buenos Aires, Argentina.

Dec. 2011 - Jul. 2013

Automation Project Leader

- Turnkey project consulting. Solution provider for engineering problems.
- Gantt, Budget and HR estimation in consulting for in-house or external projects.
- Electrical and control boards supervision and project implementation.
- Mechanical and Human Resources administration and organization.
- Supervision of a Design, Automation, and Installation project group.

ITBA – Industrial Automation Department – Buenos Aires, Argentina.

Sept. 2011 - Nov. 2012

Teaching Assistant

- Robot Motion simulation in ABB RobotStudio with smart components and real robots.
- Application of student RobotStudio programs in real ABB and Kawasaki industrial robots.
- Robot gripper design for different applications. Attachment to industrial robots.
- Visits to ABB Argentina. Real industrial applications observation.

P&F S.A. (Process and facilities for Manufacturing Systems) – Buenos Aires, Argentina.

Mar. 2011- Dec. 2011

Automation Engineer

- PLC, Security PLC, HMI and other Industrial automation devices programming.
- Motor and Servomotor control with frequency controllers and other devices.
- ABB and Kawasaki Robots with ARO welding guns programming and turnkey project.
- Main Customers and projects: Toyota, Ford, Ferrosider, Gestamp, and Johnson Controls among others.

Ferreiros y Vilela S.A. – Steering Systems – Buenos Aires, Argentina.

May 2010 - Oct. 2010

Junior Eng.

- Reengineering and Development of mechanical steering systems.

AWARDS & RECONGITIONS

Jorge and Maria Rosas Fellowship. *Academic Excellence Scholarship for Master Studies at the UPenn.* February 2013

COURSES & CONFERENCES

December 2011 & 2012 - **Rockwell Hands on Technical Training (HOTT)** conference. 2011: Pinamar, Argentina. 2012: Cordoba, Argentina

October 2009 - **CATIA** course in Milano.

EDUCATION

2013 - 2014 University of Pennsylvania.

Master in Robotics – Expected Graduation Date: December 2014. GPA: 3.54.
General Electives at Wharton Business School. Management Department.

2007 - 2010 Instituto Tecnológico de Buenos Aires (ITBA)

Mechanical Engineering. Mechatronic Specialization.
Additional Subjects: Industrial Eng, Economic related subjects.
7th Mechanical Engineering GPA

2009 - 2010 Politecnico di Milano

Exchange Program at Milan, Italy (August 2009 – March 2010).
All subjects taken in Italian.

2005 - 2007 Universidad de Buenos Aires (UBA)

Chemical Engineering – 1st and 2nd year completed.

1992 - 2004 Colegio Cardenal Newman

Bilingual Studies with Natural Science orientation.
General Average: 8.75

Other Academic Activities

- SAE Mini-Baja Competition
- SUMO Robot competition interrupted by the exchange program.

SOFTWARE SKILLS

- Office environment, Flash, FireWorks, Adobe Premiere, Photoshop.
- Visual Basic, Pascal, MATLAB, C, Python.
- Solid Edge, SolidWorks, CATIA, NX, Abaqus, AutoCAD.
- Rockwell Automation Software package, Phoenix Contact PC Works.
- ABB RobotStudio, Bosch/Rexroth programming environment.
- HTML5, CSS, Git, Ruby on Rails.

Languages

- **English** Professional Level
Exams: IGCSE, ACE, TOEIC, GRE.
- **Italian** Advanced
- **Spanish** Mother Tongue