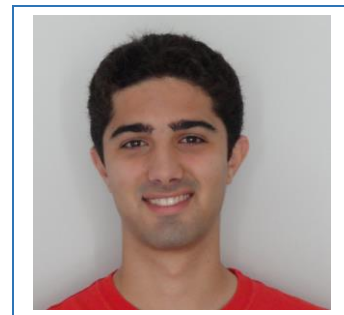


PERSONAL INFORMATION

Name **BIONDI SARRA, MARTÍN**
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E-mail **martinbiondi92@gmail.com**
Nationality Argentinian, Italian
Date of Birth 9th, May, 1992



WORK EXPERIENCE

- Dates (from – to) 03/08/2015 – 21/09/2016 (1 year & 2 months)
- Name and address of employer ABB S.A., José Ignacio Rucci 1051, Valentín Alsina, Buenos Aires
- Type of business or sector Industrial Automation
- Occupation or position held Project engineer
- Main activities and responsibilities
 - Control and Security System: Asphalt plant – YPF S.A.
 - Interaction with YPF engineers and operators to determine the best automation solution.
 - Successful proposal of hardware improvements not considered in the commercial offer.
 - Design and supervision of layouts and connection diagrams for 9 control cabinets.
 - Network architecture design and setup (PROFIBUS, Modulebus and virtualized servers).
 - Design of 15 workplace panels based on P&IDs and surveys conducted in the asphalt plant.
 - Implementation of path finding algorithm in real time integrated with Batch Management.
 - First project in Latin America to use System 800xA 6.0 along with Batch Management.
 - Pellet Extruder Control – Petroquímica Cuyo S.A.
 - Design of 8 process view panels for tactile HMI.
 - Programming of control logic & operator workplace interface.
 - Optimization of client/server & control network.
 - Design of Trainer Software for Plant Operators – Nitratos Austin S.A.
 - Implementation of an industrial process simulator from chemical and physical equations.
 - Design of a modular programming framework to allow block reutilization.
 - Validation of models with real-world data from the nitrate plant.
- Dates (from – to) 04/05/2015 – 31/07/2015 (3 months)
- Name and address of employer Quantum Tecnología S.A., Lavardén 145, Distrito Tecnológico, CABA
- Type of business or sector Telecommunications
- Occupation or position held Project engineer
- Main activities and responsibilities
 - Assembly Line of BHS Modem
 - Technical feasibility analysis.
 - Organization of work using Gantt Diagram.
 - Production rate estimation for resource planning.
 - Negotiation with local and international suppliers.
 - Point of Sale Terminals
 - Technical and financial product evaluation.
 - Supervision of assembly line and repairing laboratory (in charge of technical staff).
 - Organization of production and inventory.
- Dates (from – to) 01/09/2014 – 31/12/2014 (4 months)
- Name and address of employer Prodalsa S.A., Av. Milazzo 3251, Parque Industrial Plátanos, Buenos Aires
- Type of business or sector Alimentary
- Occupation or position held Intern in Engineering
- Main activities and responsibilities
 - Service and maintenance of industrial equipment.
 - Project planning of butter packaging process automation with PLC.

EDUCATION AND TRAINING

- Dates (from – to) 2010-2014 (5 years)
- Name and type of organization University - Instituto Tecnológico de Buenos Aires (ITBA), Buenos Aires, Argentina.
- Title of qualification awarded Electronic Engineering with Orientation in Mechatronics and Control Systems (equivalent to MSc degree).

Thesis

- Statheros: 3-axis Camera Stabilizer. Using a data fusion algorithm to combine sensor data, the product detects disturbances in the position of the camera and moves the BLDC motors to stabilize the shot. The manufacturing of the embedded circuit included:
 - Design and layout of the PCB (microcontroller, sensors, drivers and DC/DC converter for ly-po battery).
 - Programming of firmware (in C language).
 - Desktop software written in Java for user interaction with the product (calibration and data logging).

Projects

- 2013 ITBA Electronics Fair (Seam Carving).
- 2014 ITBA Electronics Fair (2 & 3-axis Stabilization) - Freescale Semiconductors Award.
- 2015 ITBA Electronics Fair (Statheros: 3-axis Camera Stabilization) - Schneider Electric Award.

- Dates (from – to)
- Name and type of organization

2005-2009 (5 years)

High School - St. George's College Quilmes, Quilmes, Argentina.

National Diplomas

Spanish-English Bilingual Bachelor in Natural Sciences with Curricular Options in Economics, Humanities and Arts.

International Diplomas

- Title of qualification awarded

IB – International Baccalaureate (33 points).

MYP – Middle Years Programme (47 points).

IGCSE – International General Certificate for Secondary Education.

Scholarships

Sir Robert Malpas Scholarship: Engineering, Sciences & Information Technology.

LANGUAGES

Mother tongue

Spanish

Other languages

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
B1	B1	B1	B1	B1

English

Italian

Certificates

TOEIC (16/02/2016 – 990 points)

ORGANIZATIONAL SKILLS AND COMPETENCES

- Definition and planning of tasks based on client needs and project schedule.
- Intermediation with customers to provide technical advice and support.
- Coordination of work with engineers and programmers of different specialties.
- Delivering of monthly presentations to the client to show progress status and obtain feedback.
- Organization of engineering documents (IO lists, layouts, connection diagrams, architecture, etc.).

TECHNICAL SKILLS AND COMPETENCES

PROGRAMING LANGUAGES:

- Assembler (Advanced)
- C/C++ (Advanced)
- Java (Moderate)
- IEC 61131-3 (Advanced)
- Sequential Function Chart
- Structured Text
- Function Block Diagram
- Ladder Diagram

SPECIALIZED SOFTWARE:

- MATLAB/Simulink
- Cadence OrCAD PSpice
- Altium Designer
- CATIA
- VMware vSphere Suite
- ABB System 800xA

OFFICE:

- Word (Advanced)
- Excel (Advanced)
- PowerPoint (Advanced)

OTHER SKILLS AND COMPETENCES

ROBUST PRODUCT DESIGN: My Graduate Thesis (Statheros: 3-axis Camera Stabilizer) followed product design guidelines: Quality Function Display, Failure Mode and Effect Analysis, Value Engineering, and Hardware & Software Validation.