

# GABRIEL DE LA PARRA

ELECTRICAL ENGINEER · COMPUTER SCIENTIST

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## Professional Experience

### Research and Development Engineer

**ABB S.A. • 2013 - Present • Chile**

*Power System Substation Automation, Protection and Control Division*

#### Software Tools for Quality & Productivity Improvement

Substation Electrical Drawings

Project Documentation

IEDs Configuration

SCADA Configuration

Team IT Infrastructure Productivity

#### Hardware Devices for Testing Productivity Increase

Binary Input Interface

SwitchGear Primary Equipment Simulators

#### Global Products and Technologies Key User

Zuken's E<sup>3</sup> Series

ABB Internal CyberSecurity

### Project Engineer

**ABB S.A. • 2011 - Present • Chile**

*Power System Substation Automation, Protection and Control Division*

#### Projects Responsibilities

Control and Protection Schemes design and development

Substation's Electrical Drawings Design and Draft

Project Documentation design and development

Control and Protection Series IEDs configuration

Technical meetings with customers

### Research and Development Intern

**Parker Hannifin GmbH • 2010 - 2011 • Germany**

*Europe's SensoControl R&D Division*

#### USB - IOLink Interface Prototype

Circuit/PCB design, construction and testing

System Design based on the IOLink Standard

Hardware and software design, construction, programming, testing

LABView interface design and programming for device's production chain

Prototypes HMI simulators design and development for analysis and testing

## References

**Ronald Valdés**

*Product Group Manager Chile*

ronald.valdes@cl.abb.com

**Rafael Pedrucci**

*PSAC Hub Manager Latam*

rafael.pedrucci@cl.abb.com

## Education

### MSc. Computer Science

Universidad de Chile

Chile

2015 - Present

### MSc. Electrical Engineering

Automation and Control

Technische Universität Dresden

Germany

2010 - 2011

### MSc. Electrical Engineering

Process Automation

Universidad de Santiago de Chile

Chile

2007 - 2009

### BSc Electrical Engineering

Universidad de Santiago de Chile

Chile

2004 - 2007

## Computer Skills

### Programming

C#, Java, L<sup>A</sup>T<sub>E</sub>X, HTML/XML, XAML/WPF, MVVM (Caliburn Micro), Trello, Git, Sharepoint (CSOM), SQL, EPPlus, Office Interop, OpenXML, AForge.Net, Matlab, VBScript, Assembler,

### Office

Word, Excel, PowerPoint, Sharepoint, Visio, VisualStudio, Access, Project

## Languages

**Spanish**

**English**

**German**