

JUAN F. MEDINA

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SUMMARY

Highly technical and business oriented professional with 3+ years of experience in planning and developing mining, industrial automation and research projects. Looking for a full time challenging position in a preferable leading role for utilizing my technical abilities, creativity, and sense of innovation

EDUCATION

BACHELOR OF SCIENCE: ELECTRONICS ENGINEERING 08/2011
Pontificia Universidad Javeriana, Bogota, Colombia

MASTER OF SCIENCE: ENERGY AND MINERAL ENGINEERING 05/2016
The Pennsylvania State University, University Park, PA

- Women's auxiliary to the American institute of Mining Engineers (WAAIME) scholarship 2015/2016
- Colombian government graduate student scholarship (national) 2013

HIGHLIGHTS

- Automation and control of industrial systems
- Troubleshooting proficiency
- C++, VB, and Matlab programming proficiency
- Data analysis and statistics
- NPV, investment, and economic analysis
- Project management
- Demonstrate organizational/planning skills
- Familiarity with reports generation and analysis
- Customer service-oriented
- Microsoft Office proficiency
- Sustainability reporting

ELECTRONICS ENGINEERING EXPERIENCE

BAYSHORE TECHNOLOGY S.A.S

Bogota, Colombia

Technical Support Coordinator 08/2011 to 01/2012

- Lead the technical support department resolving 80% of customer technical issues
- Assist customers with technical issues via email, live chat, site-visits, and telephone
- Build and maintain successful relationships with service providers, dealers, and consumers
- Supervise that the technical service team provides customers with competent and professional service delivery
- Perform customer service and sales functions for targeted markets and products.
- Create protocols and technical literature for future equipment maintenance and repair

EBC ENGINEERING

Bogota, Colombia

Project Engineer 06/2010 to 05/2011

- Execute and coordinate building automation projects
- Program and install hardware and software on site
- Configure and assemble PLC and design HMI for specific industrial applications
- Responsible for the integration of third-party devices including HVAC, CCTV systems, and power units using Modbus and Ethernet IP communication protocols
- Supervise the installation and maintenance of automation systems.
- Communicate on a weekly basis with customers to report the project status and perform future client requirements

PROJECT MANAGEMENT EXPERIENCE

COLUMBIA CENTER ON SUSTAINABLE INVESTMENT, COLUMBIA UNIVERSITY

New York City, New York

Research Assistant 10/2015 to 01/2016

- Inspect, collect, interpret, analyze and compile data obtained from two different mining operations
- Collaborate with academic, research, and technical teams at all levels

- Deliver outstanding written and verbal communication skills

BUENAVENTURA MINING COMPANY

Lima, Peru

Sustainability Analyst

07/2015 to 08/2015

- Support on the development of sustainability assessment strategies (corporate level)
- Compile and analyze data from 7 different mining operations
- Design a framework for implementing the Global Reporting Initiative standard

CARAVELI MINING COMPANY

Arequipa, Peru

Project Engineer – Intern

05/2015 to 07/2015

- Responsible for the economic analysis of a new underground project reducing the initial capital investment by 15%
- Work with the engineering team on the technical design of the project

THE PENNSYLVANIA STATE UNIVERSITY

University Park, PA

Teaching Assistant

08/2014 to 12/2015

- Support in teaching, grading and class preparation activities
- Courses: Surface Mining Systems Design (MNG 441); Geo-resource Evaluation and Investment Analysis

BUENAVENTURA MINING COMPANY

Lima, Peru

Project Engineer

06/2014 to 08/2014

- Geostatistical analysis of mineral reserves
- Work with the geology and mining departments for data collection.
- Prepare the NI 43-101 feasibility report of a gold and base metals mine increasing the rate of return of the project by 5%

PROFESSIONAL AFFILIATIONS

- Member of the Society for Mining, Metallurgy and Exploration (SME)
- Member of the Institute of Electronics and Electrical Engineers (IEEE)

LANGUAGES

Spanish (native), English (full professional)