

ANDRÉS FELIPE DÍAZ LÓPEZ

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Personal statement	Electrical and electronic engineer with 3+ years of experience working in XM – The Colombian ISO - Excellent interpersonal and communication abilities, and practical approach to problem-solving and a drive to see things through completion.
Professional experience	<p>Mar.2021 to date (6 months) - Freelance Medellín, Colombia Web development freelance</p> <p>Jul.2017 to 2021 (3+ years) – XM S.A. E.S.P. – Colombian ISO Medellín, Colombia Knowledge of power systems operation including:</p> <ul style="list-style-type: none">• Power System Modelling• Outage planning assessment <p>Knowledge of electrical market administration including:</p> <ul style="list-style-type: none">• Trade borders registration (knowledge of Colombian regulation) <p>Software development experience applied to power system studies such as:</p> <ul style="list-style-type: none">• Electric Market – Manager for the borders team• Automated software for a specific task on the short-term outage planning process and the trade border registration (Historical reference, robots for consulting information, automated robots, variable calculation, Web Development, etc)• Geographical information system based on Google Earth <p>Mar.2016 to date (5+ year) - UPB – Universidad Pontificia Bolivariana Medellín, Colombia Robotic and Develop Teacher – Partial time</p>

Academic awards	One of the best results in the education quality test –ICFES– (scholarship for high education) National education ministry, Colombia
Education	Jul.2012 to Jul.2018 - BSc in Electronical Engineering Universidad Pontificia Bolivariana – UPB –, Colombia Jul.2012 to Jul.2018 - BSc in Electrical Engineering Universidad Pontificia Bolivariana – UPB –, Colombia
Research team	Jan.2016 to Jul.2018 - Automatic and Design (A+D) investigation gruop Universidad Pontificia Bolivariana – UPB –, Colombia
Specialized courses	Sep.2019 - Advanced analytics & machine learning in python – course 1 Universidad de Antioquia – UdeA –
International competition	May.2017 - RoboRAVE international – robotic worldcup Colombia 2017 Fire Fighting
Programming languages & power system software	Python, Visual Basic for Applications – VBA, SQL (SQL Server, Oracle), Matlab, C, Visual Basic, HTML5, CSS3, WordPress DIgSILENT PowerFactory, PSCAD
Domain languages	Spanish: Native English: Intermediate