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	**Jul.2017 to 2021 (3+ years) – XM S.A. E.S.P. – Colombian ISO Medellín, Colombia** Knowledge of power systems operation including: • Power System Modelling • Outage planning assessment Knowledge of electrical market administration including: • Trade borders registration (knowledge of Colombian regulation) Software development experience applied to power system studies such as: • 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• Automated software for a specific task on the short-term outage planning process and the trade border registration (Historical reference, robots for consulting information, automated robots, variable calculation, Web Development, etc) • Geographical information system based on Google Earth **Mar.2016 to date (5+ year) - UPB – Universidad Pontificia Bolivariana Medellín, Colombia** Robotic and Develop Teacher – Parcial time
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, Matlab, C, Visual Basic, HTML5, CSS3, WordPress DIgSILENT PowerFactory, PSCAD
Domain languages	Spanish: Native English: Intermediate