

MATTHEW DANIEL MONCAYO

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Executive Summary

Graduate from UC San Diego in the field of Electrical Engineering, I'm currently a highly ambitious and experienced RF Engineer looking to broaden my knowledge and scope in the evolving telecommunication industry in a senior technical position as we enter the realm of the 5G revolution.

Education

UNIVERSITY OF CALIFORNIA, SAN DIEGO, *La Jolla, CA*

Graduation: December 2013

• **Bachelor of Science**, Electrical Engineering

Minor: **Bachelor of Arts**, Political Science

Technical Skills and Qualifications

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| <input type="checkbox"/> Extensive experience with RF Measuring/Test Tools | <input type="checkbox"/> Proficient in Full Stack Web Development |
| <input type="checkbox"/> Proven ability for successful Project Management | <input type="checkbox"/> Extremely knowledgeable in Cellular Networks |
| <input type="checkbox"/> Proficiency in iBwave Design Software & AutoCAD | <input type="checkbox"/> OEM Certified 5G & CBRS Integrator |
| <input type="checkbox"/> Fluent in Spanish | <input type="checkbox"/> Highly Satisfactory Client Relations |

Work Experience

RF Engineer, *K&M Systems, Inc., San Diego, CA*

September 2013- Present

RF Design Engineer that uses sound engineering principles and planning tools to support the RF Engineering team in the early design stages, construction phases, and the commissioning stages for Small Cell Networks (SCN), Distributed Antenna Systems (DAS), and Emergency Responders Radio Coverage Systems (i.e., Public Safety) that include the following responsibilities:

- Compiling node surveys identifying pole specifications and feasibility for large-scale 400+ node projects for the Downtown Los Angeles and Downtown San Diego areas
- Experience in cell site integration, performance testing, and network optimization for in-building solution systems
- Experienced in managing and executing a full turnkey solution for a Public Safety DAS for the Hall of Justice for the County of Los Angeles for a coverage objective of over 500,000 square feet, including design, project management, installation, commissioning, and client relationships throughout the course of the build out for LAPD, LASD, LA-RICS, & LAFD.
- Conducting site walks for clients and identifying all necessary coverage requirements and specs
- Commissioning and integrating Bi-Directional Amplifiers and Base Stations for newly installed DAS
- Evaluating coverage problems and new service area requirements for coverage cells
- Redesigning of mature network areas to minimize capacity constraints
- Progressive RF Engineering experience, which directly involves testing, commissioning, and optimizing Distributed Antenna System (DAS) networks
- Mastery in the use of RF test equipment including but not limited to: spectrum analyzers, dual band transmitters, drive-study receiver systems, Agilent Technologies (formerly JDSU software), PIM Testing Equipment
- Analyzing and summarizing test data to evaluate performance against key performance indicators (KPIs) and optimize networks to meet contracted KPIs
- RF design of outdoor DAS networks and Macro 4G LTE networks
- Producing quotes for clients to provide budget proposals for various projects
- Working with clients to complete project charter outlining scope, goals, and deliverables
- Experience with both passive and active neutral host distributed antenna systems, and thoroughly knowledgeable of wireless protocols including GSM, CDMA, W-CDMA, UMTS, EVDO, AWS, LTE, CBRS, and 802.11a/b/g/n as well as two-way radio industry wireless standards