



# ETHAN MARTINEZ

Drive Test Engineer

## PROFESSIONAL SUMMARY

Results-oriented Drive Test Engineer with 5 years of experience in enhancing wireless network performance across 2G, 3G, and 4G technologies. Adept at executing drive tests, analyzing key performance metrics, and implementing solutions to improve network reliability and user experience. Passionate about driving operational excellence through precise data analysis and innovative testing strategies.

## WORK EXPERIENCE

**Drive Test Engineer** Jan / 2021-Ongoing  
**WidgetWorks Inc.** Denver, CO

- Executed drive testing utilizing JDSU/Agilent E6474A for wireless network optimization.
- Conducted individual sector tests, including Single Site Verification (SSV) and cluster re-drives.
- Analyzed LTE parameters such as RSRP, RSSI, and SINR for performance evaluation.
- Collected data on scanner and User Equipment (UE) metrics for all detected cells.
- Performed stationary tests at cell sites to verify throughput and call drop rates.
- Utilized QXDM Qualcomm Professional for testing LTE handsets and troubleshooting.
- Met deadlines consistently for all production work orders, ensuring high-quality outputs.

**Drive Test Engineer** Jan / 2020-Jan / 2021  
**Lakeside Apparel Co** Chicago, IL

- Developed comprehensive reports detailing drive test findings and recommendations.
- Collaborated with engineering teams to troubleshoot and resolve network issues promptly.
- Maintained accurate documentation of test procedures and results for future reference.
- Conducted training sessions for junior engineers on drive test methodologies.
- Utilized advanced software tools for data analysis and reporting.
- Participated in project planning to align testing efforts with network deployment strategies.

## EDUCATION

**Bachelor of Science in Electrical Engineering** Jan / 2019 Jan / 2020  
**University of California, Berkeley** Toronto, ON  
Focused on wireless communications and signal processing.

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## SKILLS

Comprehensive Throughput Testing

Inter-frequency Handoff

Single Site Verification

Project Management

Technical Support

## INTERESTS

Scuba Diving E-sports  
Reading Fiction Puzzle Solving

## STRENGTHS

Stewardship Teamwork  
Tenacity Vision

## LANGUAGES

English German Swahili

## ACHIEVEMENTS

- Increased network coverage by 20% through targeted drive testing and optimizations.
- Reduced call drop rates by 15% by implementing data-driven solutions.
- Successfully completed over 100 drive tests, providing actionable insights for network enhancement.