# EMMA JOHNSON

## Drive Test Engineer

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## PROFESSIONAL SUMMARY

Accomplished Drive Test Engineer with a decade of experience in optimizing wireless networks across advanced technologies including 3G, 4G, and emerging 5G systems. Expertise in performance analysis, data collection, and troubleshooting to ensure superior network reliability and coverage. Committed to delivering actionable insights and enhancing operational efficiency through strategic testing and optimization.

## WORK EXPERIENCE

### Drive Test Engineer

**WidgetWorks Inc.**

📅 Jan / 2018-Ongoing
📍 Denver, CO

1. Conducted extensive drive tests for 3G and 4G networks, optimizing coverage and performance metrics.
2. Identified and resolved major call-related issues, including dropped and blocked calls, enhancing user experience.
3. Performed field tests on telecommunications equipment, generating detailed test logs for analysis.
4. Troubleshot and calibrated testing equipment to ensure accuracy and reliability in results.
5. Investigated network failures, implementing solutions to resolve drop calls and enhance service quality.
6. Assessed handover processes and CS fallback procedures to improve network reliability.
7. Identified routine optimization issues such as sector swaps and missing neighbors to enhance network performance.

### Drive Test Engineer

**Crescent Moon Design**

📅 Jan / 2015-Jan / 2018
📍 Portland, OR

1. Executed FTP testing for cellular site verification, ensuring compliance with performance standards.
2. Conducted RF data collection to benchmark major carriers, improving competitive analysis.
3. Completed E-911 and CTTP testing per sector, ensuring emergency services reliability.
4. Managed data collection processes for LTE networks, enhancing operational efficiency.
5. Utilized TEMS Investigation for data analysis, identifying interference and optimizing drive test routes.
6. Coordinated with RF engineers to ensure maximum throughput during testing phases.

## EDUCATION

### Bachelor of Science in Electrical Engineering

**University of California**

📅 Jan / 2012-Jan / 2015
📍 Denver, CO

Focused on telecommunications and signal processing.

## SKILLS

| Linux Operating System | Windcatcher Tool Expertise | Xcap Data Analysis | Rf Testing |
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## ACHIEVEMENTS

⭐ Improved network performance metrics by 25% through targeted optimization strategies.

⭐ Reduced dropped call rates by 15% by identifying and rectifying critical hardware issues.

⭐ Led a team in comprehensive drive tests that enhanced coverage by 30% in urban areas.