



# ETHAN MARTINEZ

Optimization Engineer

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## PROFESSIONAL SUMMARY

Dedicated Optimization Engineer with a decade of experience in enhancing wireless network performance through innovative solutions and strategic analysis. Expert in RF optimization and advanced analytical techniques, I drive improvements in service quality and operational efficiency, consistently aligning technical initiatives with organizational objectives.

## WORK EXPERIENCE

**Optimization Engineer** Mar / 2019-Ongoing  
Pineapple Enterprises Santa Monica, CA

- 1. Executed RF optimization strategies for the HUAWEI-3G-Moblink Project, improving overall network performance.
- 2. Monitored key performance indicators such as SC, RSCP, EcNo, and TX power to ensure optimal 3G site functionality.
- 3. Conducted thorough analysis of handover processes, enhancing 3G to 2G transitions and vice versa.
- 4. Performed drive tests to identify and rectify coverage gaps, leading to improved EcNo values.
- 5. Analyzed and resolved issues related to ping pong and pilot pollution, optimizing network reliability.
- 6. Utilized Newtun Analysis for strategic site planning, resulting in effective sector swaps and overshooting corrections.
- 7. Provided expert RF engineering support during the transition from legacy systems to modern Ericsson RBS equipment.

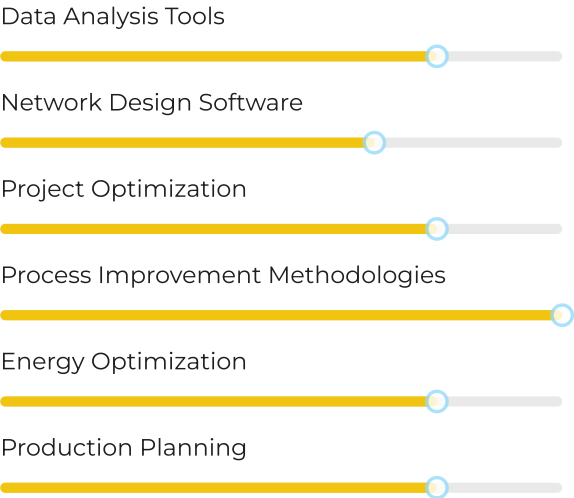
**Optimization Engineer** Mar / 2015-Mar / 2019  
Lakeside Apparel Co Chicago, IL

- 1. Achieved a 30% reduction in maintenance costs by redesigning the polymerization unit piping systems.
- 2. Ensured reliability of rotating equipment and compressors through systematic oversight and vendor collaboration.
- 3. Optimized network configurations to meet company KPIs, conducting field surveys for site enhancements.
- 4. Designed and implemented a comprehensive chemical optimization program, enhancing operational efficiency.
- 5. Oversaw compliance for chemical treatments across 1500+ wells, ensuring regulatory standards were met.
- 6. Collaborated with cross-functional teams to develop and implement innovative solutions for network challenges.

## EDUCATION

**Bachelor of Science in Electrical Engineering** Mar / 2012 - Mar / 2015  
University of California Toronto, ON  
Focused on telecommunications and RF engineering principles.

## SKILLS



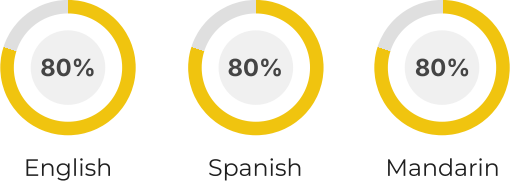
## INTERESTS

- Podcasts
- Language Learning
- Dancing
- Cycling

## STRENGTHS

- Intuition
- Leadership
- Listening
- Mentorship

## LANGUAGES



## ACHIEVEMENTS

- Enhanced network coverage by 25% through strategic RF optimization techniques.
- Reduced operational costs by 20% by implementing advanced analytical models for network performance.