

# Makhayla Nunziato

Yield Engineer

## Profile

Yield Engineer with 2 years of experience in optimizing semiconductor manufacturing processes to enhance production yield and efficiency. Proficient in data analysis, troubleshooting, and implementing continuous improvement initiatives. Demonstrated ability in collaborating with cross-functional teams and applying innovative problem-solving techniques to drive yield and operational excellence.

## Employment History

### Yield Engineer at Ecolab, IL

Mar 2023 - Present

- Achieved a 15% increase in overall production yield by implementing process improvements and optimizing equipment performance, resulting in annual cost savings of \$1.2 million for Ecolab, IL.
- Successfully reduced defect rates by 30% through the introduction of advanced statistical process control techniques, leading to improved product quality and increased customer satisfaction.
- Streamlined production processes by identifying and eliminating bottlenecks, resulting in a 20% increase in throughput and a reduction in lead time from 14 days to 10 days.
- Developed and executed a comprehensive training program for new yield engineers, reducing onboarding time by 50% and increasing overall team efficiency.

### Associate Yield Engineer at Advanced Technology Services, IL

Aug 2021 - Jan 2023

- Implemented an optimized yield management system, resulting in a 20% improvement in overall production efficiency and reducing waste by 15%.
- Developed and executed data-driven process improvements, leading to a 10% increase in product yield and a 5% reduction in manufacturing costs.
- Successfully managed cross-functional teams to troubleshoot and resolve yield-related issues, resulting in a 25% decrease in production downtime.
- Conducted comprehensive yield analysis for new product introductions, leading to a 95% first-pass success rate and shortening the time to market by 30%.

## Education

### Bachelor of Science in Engineering with a focus on Yield Engineering at University of Illinois at Urbana-Champaign, IL

Aug 2017 - May 2021

Relevant Coursework: Materials Science, Manufacturing Processes, Semiconductor Physics, Microfabrication, Nanotechnology, Quality Control, Statistical Process Control, Failure Analysis, and Design of Experiments.

## Details

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## Links

[linkedin.com/in/makhaylanunziato](https://www.linkedin.com/in/makhaylanunziato)

## Skills

Photolithography

SPC (Statistical Process Control)

FMEA (Failure Modes and Effects Analysis)

DOE (Design of Experiments)

JMP software

Metrology techniques

Six Sigma

## Languages

English

French

## Hobbies

Electronics tinkering

3D printing and modeling

Amateur astronomy