

# YARIK CHEKIN

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## EDUCATION

Mechanical Engineering , Bachelor  
California State University, Northridge

Project Management, Certificate  
University of California, Los Angeles

## WORK EXPERIENCE

Kernel  
Manufacturing Engineering Manager  
Lead Manufacturing Engineer

1/2021 - Present  
Culver City, CA

- Promoted to Manufacturing Engineering Manager, leading a cross-functional team of engineers and technicians in optimizing manufacturing processes for the Flow neuroimaging product line
- Established and maintained strategic vendor relationships, creating a resilient supply chain and optimizing the cost and quality of essential components
- Designed and implemented precision manufacturing processes for neuroimaging products, which included assembly and testing of electromechanical systems, and leveraged PFMEAs to reduce scrap rates and enhance production efficiency
- Successfully established and optimized build cells, streamlined production controls, and conducted personnel training, ensuring seamless product launches and scaling production lines
- Led comprehensive failure analysis initiatives from discovery through data collection, analysis, and implementation of Corrective and Preventive Actions (CAPAs)
- Implemented a comprehensive Quality Management System (QMS), which included launching a PLM system and developing various QC processes
- Collaborated with cross-functional engineering teams to seamlessly transition prototypes to production (NPI), incorporating Design for Manufacturability (DFM) principles and ensuring efficient manufacturing processes
- Developed and executed a comprehensive training program for manufacturing personnel, resulting in increased skills, knowledge, and overall team performance

Teledyne Reynolds  
Project Engineer II  
Project Engineer I

8/2017 - 1/2021  
Los Angeles, CA

- Managed technical projects from concept to production, collaborating with customers, suppliers, and internal teams
- Established effective Design of Experiments to analyze process parameters efficiently
- Created technical manufacturing documents and designed fixtures for efficient production and testing of hardware, streamlining assembly and testing processes
- Led continuous improvement projects including the development and implementation of a process that reduced the scrap rate of two major assemblies from 40% to 3%
- Led the successful transition of products from bid to pilot builds and sole-source qualification in the aerospace sector
- Generated acceptance test plans that properly screened the requirements of the product