

Mattie Reszka

Senior Electrical Engineer

 mattie.reszka@gmail.com

 (543) 640-5172

 1234 Sunshine Lane,
Sacramento, CA 95814, US

Education

Master of Science in Electrical Engineering at University of California, Los Angeles

Aug 2013 - May 2018

Relevant Coursework:

Advanced Circuit Analysis, Digital Signal Processing, Electromagnetic Theory, Power Electronics, Control Systems, Communication Systems, VLSI Design, Embedded Systems, and Renewable Energy Technologies.

Links

linkedin.com/in/mattiereszka

Skills

AutoCAD

MATLAB

PSpice

LabVIEW

VHDL

Simulink

Verilog

Languages

English

Hindi

Hobbies

Profile

A Senior Electrical Engineer with 5 years of experience in designing, developing, and optimizing electrical systems and components. Proficient in analyzing complex engineering problems and implementing innovative solutions. Demonstrated ability to lead cross-functional teams, manage multiple projects, and ensure compliance with industry standards. Adept in utilizing cutting-edge tools and techniques to enhance efficiency and deliver high-quality results.

Employment History

Senior Electrical Engineer at Tesla, CA

Mar 2023 - Present

- Successfully led a team of 10 engineers in the design and implementation of Tesla's Model 3 battery management system, resulting in a 20% increase in energy efficiency and contributing to over 500,000 units sold worldwide.
- Developed and integrated a new power distribution system for Tesla's Supercharger network, increasing charging capacity by 30% and reducing average charging time by 15 minutes for over 25,000 charging stations globally.
- Spearheaded the optimization of Tesla's electric motor design, leading to a 10% improvement in overall performance, contributing to a 5% increase in vehicle range, and enabling faster acceleration across all Tesla models.
- Managed a \$2 million project budget for the development of Tesla's Autopilot hardware, ensuring on-time delivery and seamless integration with existing software, resulting in a 99% customer satisfaction rate and a 50% reduction in reported accidents.

Electrical Engineer II at , CA

Aug 2018 - Jan 2023

- Developed and implemented a power distribution system for a large-scale commercial project, resulting in a 20% reduction in energy consumption and saving the client over \$50,000 annually.
- Designed and optimized a new generation of high-efficiency electric motors, achieving a 15% improvement in performance and contributing to a 10% increase in overall company revenue.
- Successfully managed a team of engineers to complete a complex electrical grid upgrade project two months ahead of schedule, reducing downtime costs by 30% and increasing overall grid reliability by 25%.
- Created an innovative fault detection system for a major utility company, reducing outage response times by 40% and improving customer satisfaction ratings by 20%.

Certificates

Professional Engineer (PE) License

Aug 2021

Certified Energy Manager (CEM)

Nov 2019

Memberships