

Amina Patel

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SUMMARY

Results-driven Senior Electrical Engineer with over 8 years of experience in designing and implementing advanced electrical systems. Proven track record of optimizing performance and reducing costs through innovative engineering solutions.

EXPERIENCE

Senior Electrical Engineer

Jan 2022 - Present

Tech Innovations Inc., San Francisco, CA

- Led a project that reduced system energy consumption by 30%, resulting in annual savings of \$200,000.
- Designed and implemented a new PCB layout that improved signal integrity by 25%.
- Managed a cross-functional team of 5 engineers in developing a state-of-the-art IoT device.

Electrical Engineer

Jun 2018 - Dec 2021

Global Systems Corp., Los Angeles, CA

- Developed electrical schematics that enhanced product reliability, achieving a 40% reduction in warranty claims.
- Conducted failure analysis and implemented corrective actions, resulting in a 50% decrease in production downtime.
- Collaborated with software teams to integrate control systems, leading to a 15% performance increase.

Junior Electrical Engineer

May 2015 - May 2018

ElectroTech Solutions, San Diego, CA

- Assisted in the design of high-voltage power systems, contributing to projects worth over \$1 million.
- Performed simulations and testing, improving design accuracy by 20%.
- Participated in project management activities, helping deliver projects under budget and ahead of schedule.

EDUCATION

Bachelor of Science in Electrical Engineering

May 2015

University of California, Berkeley, Berkeley, CA • GPA: 3.8

SKILLS

Technical Skills: Power Systems Design, PCB Design, Control Systems, Signal Processing

Tools & Frameworks: MATLAB, AutoCAD Electrical, Altium Designer, Simulink