

# Joann Macareno

## Assistant Chief Engineer

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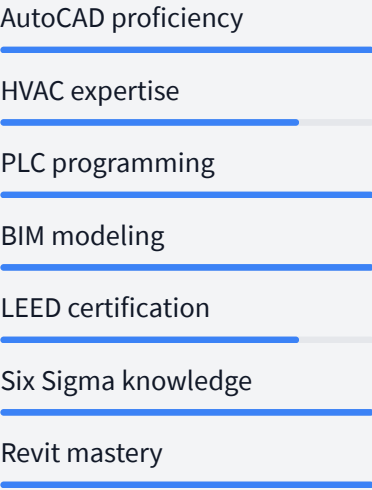
### EDUCATION

**Bachelor of Science in Mechanical Engineering at Arizona State University, Tempe, AZ**  
Aug 2014 - May 2018  
Relevant Coursework: Mechanics, Thermodynamics, Fluid Mechanics, Heat Transfer, Materials Science, Dynamics, Controls, Manufacturing Processes, Machine Design, and Engineering Analysis.

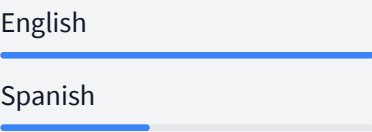
### LINKS

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

### SKILLS



### LANGUAGES



### HOBBIES

Model building (e.g. ships, planes, or trains)

### PROFILE

A diligent Assistant Chief Engineer with 5 years of experience in managing engineering operations, optimizing maintenance processes, and ensuring safety compliance. Skilled in leading cross-functional teams, implementing cost-effective solutions, and driving continuous improvement to achieve operational excellence. Possesses strong technical knowledge, excellent communication skills, and a proven track record of executing complex projects in a timely manner.

### EMPLOYMENT HISTORY

- Assistant Chief Engineer at Arizona Public Service (APS), AZ**  
May 2023 - Present
  - Successfully managed and completed a \$10 million substation upgrade project, resulting in a 20% increase in power transmission capacity and improved reliability for over 50,000 customers in the Phoenix metropolitan area.
  - Led a team of 15 engineers and technicians in the development and implementation of a comprehensive preventative maintenance program, reducing unscheduled equipment downtime by 30% and saving APS over \$2 million annually in maintenance costs.
  - Implemented a new energy management system, optimizing power generation and distribution across APS's network, resulting in a 10% reduction in energy losses and saving the company an estimated \$5 million per year.
  - Oversaw the successful integration of 100 MW of renewable energy sources into APS's grid, contributing to the company's goal of 15% renewable energy by 2025 and reducing greenhouse gas emissions by 200,000 metric tons per year.
- Associate Assistant Chief Engineer at Salt River Project (SRP), AZ**  
Sep 2018 - Apr 2023
  - Successfully managed a team of 15 engineers in the design and implementation of a \$10 million power plant upgrade project, resulting in a 20% increase in energy efficiency and reducing emissions by 15%.
  - Streamlined the maintenance processes for SRP's hydroelectric facilities, leading to a 25% reduction in equipment downtime and saving the company \$2 million annually in maintenance costs.
  - Developed and executed a comprehensive training program for new engineering hires, improving their onboarding process and reducing the time-to-productivity metric by 30%.
  - Led the evaluation and selection of a new energy management system for SRP, which increased the accuracy of energy consumption data by 10% and allowed for more effective load forecasting and management.

### CERTIFICATES

**Professional Engineer (PE) License**  
Jul 2021

**Certified Reliability Engineer (CRE)**  
Dec 2019