



AVA DAVIS

Process Design Chemical Engineer

✉ support@qwikresume.com

☎ (123) 456 7899

📍 Los Angeles

🌐 www.qwikresume.com

SKILLS

Process Optimization Leadership



Workflow Design



Benchmarking



Supplier Management



Training And Development



Root Cause Analysis



INTERESTS

📖 Birdwatching 🧳 Traveling

🏆 Sports Coaching 🧶 Knitting

STRENGTHS

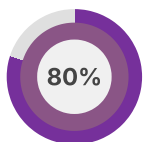
🔧 Pragmatism

🍃 Sensitivity

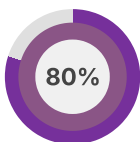
💖 Sincerity

⚓ Stability

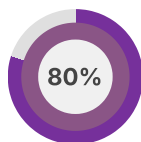
LANGUAGES



English



French



Arabic

ACHIEVEMENTS

- 🌟 Achieved a 15% reduction in production costs through process redesign and optimization.
- 🌟 Led a cross-functional team to implement a new process control system, improving product quality by 20%.

PROFESSIONAL SUMMARY

Accomplished Process Design Chemical Engineer with 10 years of comprehensive experience in optimizing and innovating complex chemical processes. Expert in developing and implementing scalable engineering solutions that enhance efficiency, reduce costs, and ensure compliance with regulatory standards. Passionate about driving operational excellence and fostering collaboration across multidisciplinary teams.

WORK EXPERIENCE

Process Design Chemical Engineer

📅 Feb / 2018-Ongoing

WidgetWorks Inc.

📍 Denver, CO

1. Create detailed process documentation and specifications.
2. Implement lean manufacturing principles to reduce waste.
3. Conduct risk assessments to ensure process safety and compliance.
4. Conducted time studies and evaluated process effectiveness, implementing improvements to enhance productivity.
5. Collaborated with customers to achieve target mercaptan levels through precise design specifications.
6. Monitor process performance metrics and recommend adjustments.
7. Lead process design projects from concept to implementation.

Process Design Engineer

📅 Feb / 2015-Feb / 2018

Summit Peak Industries

📍 Denver, CO

1. Conducted chemical simulations for hydrogen production via steam reforming using ChemCad software.
2. Validated simulation results against literature, achieving a 3% increase in hydrogen yield.
3. Developed process flow diagrams, mass and energy balances, and equipment specifications for new projects.
4. Updated existing designs for improved process efficiency and compliance with client requirements.
5. Incorporated client specifications into design, enhancing system performance based on feedback.
6. Compiled detailed reports on temperature, density, and pressure calculations for process optimization.

EDUCATION

Bachelor of Science in Chemical Engineering

📅 Feb / 2012-Feb / 2015

University of Texas at Austin

📍 Denver, CO

Studied core principles of chemical engineering, including thermodynamics, fluid mechanics, and process design.