




JASON ALEXANDER

Personal

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Skills

Process Management	● ● ● ● ●
AutoCAD	● ● ● ● ●
Problem Solving	● ● ● ● ●
Organization	● ● ● ● ●
OSHA Compliance	● ● ● ● ●
Attention to Detail	● ● ● ● ●

Skilled Automotive Mechanical Engineer with 8+ years of automotive manufacturing experience seeking to join the team at Solar Cube Automotive in Austin, Texas. Adept at designing and maintaining automated manufacturing equipment and supporting tools, industrial processing systems, and assembly production lines. Exceptional problem-solving, CAD, prototype design, testing, and enhancement. Always channels constructive criticism into learning opportunities, with an uncanny ability to communicate clearly with all stakeholders.

Relevant Experience

Senior Automotive Systems Engineer Aug 2017 - Present
[PWC Automotive Manufacturing, Gilbert, Arizona](#)

- Designed and executed assembly production line for PWC's Fleet Truck facility from start-up within eight months, maintaining efficiency standards above 97 percent during BETA testing.
- Collaborated with a team of 6 junior mechanical engineers, the marketing team, and 4 design consultants to develop AutoCAD renderings for new production lines - 2018 through current.
- Increased overall assembly line process management by 13 percent each year, reduced onsite injuries by 86 percent and maintained production through the COVID-19 Global Pandemic - losing only 7 production days from 2020 till current.

Mechanical Engineer Jun 2012 - Jul 2017
[P & S Filtration, Aurora, Colorado](#)

- Successfully designed, tested, and launched 27 new aftermarket commercial oil, air intake, and transmission system filters with over 120+ unique fitments for OEM applications.
- Collaborated with OEM manufacturers to ensure proper fitment, compliance with ASTM testing, and OSHA manufacturing safety standards for raw materials.
- Met manufacturing production goals and budgets for three consecutive years - 2013 to 2016.

Education

Master's Degree - Mechanical Engineering Sep 2006 - Jun 2010
[Colorado School of Mines, Golden, Colorado](#)

Engineering Certifications

- Certified CAD and Digital Manufacturing - 2012
- Certified Energy Manager (CEM) - 2014
- Certified Manufacturing Engineer (CMfgE) - 2012
- Certified Quality Engineer (CQE) - 2014
- Certified Systems Engineering Professional (CSEP) - 2015

References

David Jones PWC Automotive
[On Request](#) Manufacturing

Fred Davis P & S Filtration
[On Request](#)