


Serge Nikogosian

Greater Chicago Area

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Summary

Serge Nikogosian's obsession with Mechanical engineering dates back to his childhood days from taking apart the VCR to building and repairing cars in his later teenage days. During high school he was a distinguished student at Lake County Technology Campus studying Automotive Technology and received the Preferred Graduate award. With stronger ambitions than being an automotive technician, Serge enrolled to Purdue University to pursue a bachelor's of science degree in Mechanical Engineering.

Serge Nikogosian joined Navistar during the summer of 2016 after graduating Purdue University and taking a year hiatus remodeling a kitchen from a total tear down. During his academic career, he gained over two years of experience interning with Continental in the transmissions group and Delphi for the Kokomo, IN Electronic safety lab. Serge joined Navistar's Body group and gained immense knowledge of designing for plastic injection molding.

His first assignment as a PDE was to release an entire color change of the DuraStar and WorkStar models. This was a huge challenge and a steep learning to familiarize himself with the entire truck interior, the variation Navistar offers and the variety of tools PDEs use daily. Since then, he has successfully launched the Flat Instrument Panel on time and under budget into Navistar's new MV and HV product lines. Throughout his time in engineering, he learned the importance of time management and attention to detail required to meet key program timing milestones. He had the opportunity to support all MV and HV builds starting from CERT to Job 1 at both Escobedo and Springfield plant.

Seeing Navistar's product used by the manufacturing team introduces efficiency and design ideas to simplify installation and reduce the time required to install. He also learned the importance of cross functional agreement between different systems and teams to be successful in releasing quality parts.

Experience

Project Engineer

Navistar Inc

Mar 2020 - Present (5 months +)

General Contractor

Home Restoration

Jul 2013 - Present (7 years 1 month +)

- Saved over \$100,000 in labor costs
- Completely remodeled a two-story home, including custom master bathroom and kitchen
- Masterminded all aspects including: designing, budgeting, plumbing, electrical, framing, tiling and hardwood

Technical Support and Network Engineer

Fine Spine Health & Wellness Center

Jul 2007 - Present (13 years 1 month +)

- Optimize office network and phone systems, setup computers and professional software.
- Create templates for a variety of medical forms using Microsoft Excel and Microsoft Office.
- Develop and manage company website.
- Installed and maintain network surveillance system.

Senior Engineer

Navistar Inc

Jun 2019 - Mar 2020 (10 months)

Body, Interior Trim, Driver Environment

Lead design and release engineer for Wing and Flat Instrument Panel for Class 5-8 vehicles and for the static seats for the MV model vehicles.

Successfully launched 2018 Flat IP for Medium Duty vehicles into production - on time and under budget.

Peer mentor three development rotational program candidates and interns: conduct bi-monthly feedback sessions, delegate assignments, train, provide guidance on tasks and supervise progress.

Provide hands-on, bilingual engineering support for DV, CERT, Q, VC and Job 1 builds at EAP and SAP manufacturing facilities.

Develop manufacturing installation drawings to aid assembly.

Design: AAR, Design Requirement Document, DFMEA, Drafting, DFSS, GD&T, Product Development Cycle – CA through SOP, Statistical Tolerancing, Industrial Design Requirements.

Validation: DVP&R, Test Protocols, DSAO.

Quality: 8-D, APQP, CP/CPK, GR&R, PPAP, Statistical Analysis.

Senior Product Development Engineer

Navistar Inc

Apr 2018 - Jun 2019 (1 year 3 months)

Body, Interior Trim, Driver Environment

Product Development Engineer

Navistar Inc

Apr 2016 - Apr 2018 (2 years 1 month)

Body, Interior Trim, Driver Environment

Project Lead and Hardware Verification Engineer

Delphi

Sep 2014 - May 2015 (9 months)

- Coordinated with project managers and led 10 student engineers to deliver on-time tasks
- Built and validated electrical harnesses, fabricated and populated electrical load test boxes
- Inspected and tested electrical hardware to ensure proper functionality

Mechanical Engineering Intern

Continental

May 2014 - Aug 2014 (4 months)

- Used Mini-tab to generate critical statistics
- Completed Pro/E drawings and models, updated manufacturer drawings in PDM-Link
- Designed vibration blocks for testing modules and performed initial FEA design quality tests
- Drafted reports and presentations including DFSS, lab equipment manuals, and design proposals

Mechanical Engineering Intern

Continental

May 2013 - Nov 2013 (7 months)

- Used Mini-tab to generate critical statistics
- Completed Pro/E drawings and models, updated manufacturer drawings in PDM-Link
- Designed vibration blocks for testing modules and performed initial FEA design quality tests
- Drafted reports and presentations including DFSS, lab equipment manuals, and design proposals

Mechanical Engineering Intern

Continental

Jul 2012 - Aug 2012 (2 months)

- Utilized automotive CAN system
- Accomplished haptic, vibration, lighting intensity and other quality tests on radio production units
- Leveraged CATIA to design models, such as mounting hardware, for testing

Automotive Technician

All Tune and Lube

Jun 2008 - Aug 2008 (3 months)

- Repaired engines, brake systems, manual and automatic transmissions, cooling systems, steering and suspension, and electrical wiring
- Diagnosed vehicle problems and communicated with clients

Race Car Technician

Finish Line Welding Inc.

Jun 2007 - Aug 2008 (1 year 3 months)

- Performed repairs, maintenance and tune up; constructed custom wiring harness for the race cars.
- Maintained safety of the vehicle's systems and operations; performed required repairs.
- Performed pit stop tasks such as fuel fill up and tire pressure and engine temperature checks.

Education

Purdue University

Bachelor's Degree, Mechanical Engineering

Adlai E. Stevenson High School

High School

College of Lake County Technology Campus

Automotive Engineering Technology/Technician

Completed hands-on automotive courses during junior and senior year of high school.

Vernon Hills High School

High School

Licenses & Certifications

CAIS (Certified ALLDATA Information Specialist)

Skills

Microsoft Office • PowerPoint • Mechanical Engineering • Microsoft Excel • Microsoft Word • PTC Creo • Pro/Engineer • MATLAB • Engineering • CAD