

ARJAN VELOVIC

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PROFESSIONAL EXPERIENCE

Design Engineer, Lockheed Martin Sikorsky Nov 2020 – Present

- End-to-end design processes for diverse products and assemblies, including drafting, dimensioning, tolerancing, prototyping and result documentation.
- Generate, review, and approve the technical content of controlled drawings, maintenance manuals, reports and other mechanical design documents.
- Ensuring alignment of new products with program requirements through effective vendor collaboration and supervision of the products integration within the program's supply chain
- Collaborating within multi-disciplinary teams to resolve issues, fostering efficient problem-solving.
- Created production and field modification kits to adapt to evolving customer needs.

Mechanical Engineer Asc, Lockheed Martin Skunkworks Jul 2019 – Oct 2020

- Designed layout structures for pivotal mechanical system components using 3DX CAD.
- Developed detailed designs of mechanical structures adhering to structural and aerodynamic guidelines.
- Analyzed NASTRAN stress reports to redesign critical components for load requirement compliance.
- Prepared statements of work (SOWs), bills of material (BOMs), supplier document requirement lists (SDRLs), and other essential supplier contract management documentation.
- Coordinated vehicle system schedules to ensure an optimized engineering, procurement, and manufacturing workflow using MS Project.
- Compiled aircraft mass properties databases, to provide empirical data for conceptual design.

Engineer Aide, Consolidated Edison Inc. Jan – Aug 2018

- Facilitated inter-departmental evaluations, enhancing task management efficiency.
- Meticulously drafted permits necessary for creating efficient workflow for construction sites.
- Produced comprehensive field guides outlining daily administrative practices for clerical staff.

Mechanical Engineer Intern, NYC DEP – Water Treatment Plant Summer 2017

- Designed an effective prototype water filter. Meeting stringent New York City water standards
- Generated detailed plumbing modification drawings using AutoCAD.
- Created and managed reoccurring work orders vital for water treatment plant maintenance.
- Conducted research and coordinated replacement of over two thousand air filters.

SKILLS

Design Software: 3DX, SolidWorks, CATIA, AutoCAD, NASTRAN, HSM, ANSYS

Programing: MATLAB, Python, C

Project Planning: MagicDraw, MS Project, MS Excel

Manufacturing: CNC Machining, 3D Printing, Root Cause Analysis, GD&T

EDUCATION

MS in Mechanical Engineering, Georgia Institute of Technology Summer 2022
Highest Honors

BS in Mechanical Engineering, The City College of New York Fall 2018
Cum Laude Honors, Minor in Mathematics

CERTIFICATES

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- New York State Intern Engineering Certificate – Engineering in Training 2019
 - Active Department of Defense Secret Clearance 2019 – Present