

ARJAN VELOVIC

✉ arjan.velovic@gmail.com

☎ (347) 935-2092

📍 New York, NY

🐙 GitHub

🌐 LinkedIn

SUMMARY

Ambitious software engineer with five years of aerospace experience, driven by a passion for growth and learning. Expertise in full-stack development, specializing in Python, JavaScript, React, Flask and SQL for robust and scalable web applications. Eager to apply engineering expertise and coding skills to contribute effectively to the software development arena.

SKILLS

Languages: Python, JavaScript, Typescript, C++, SQL, HTML/CSS, MATLAB
Frameworks/Databases: React, Flask, Django, PostgreSQL, SQLite, MySQL
Tools: GitHub, GitLab, Bootstrap, Tailwind, Visual Studio
Computer Aided Design: 3DX, SolidWorks, CATIA, AutoCAD, NASTRAN, HSM, ANSYS
Spoken Languages: English, Albanian

PROJECTS

Specialized Website

Developed a sleek full-stack website, mirroring Specialized Bike's commerce platform. It utilizes a React TypeScript frontend and a Flask Python backend along with a PostgreSQL database, managing user operations, authentication, cart functionalities, error handling, and secure payments. Ensuring performance and security, the website delivers a seamless shopping experience, demonstrating proficiency in modern web development technologies.

[Live Demo](#)

[GitHub](#)

Bidding Bazaar

Bidding Bazaar is an auction webpage powered by Flask, leveraging Python's capabilities for robust user interaction. Users can create accounts, list items, place bids, add watchlists and manage their profiles seamlessly. Behind the scenes, Flask handles authentication, session management, and database integration, ensuring a smooth user experience.

[Live Demo](#)

[GitHub](#)

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.

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.

Engineer Aide, Consolidated Edison Inc.

Jan – Aug 2018

Mechanical Engineer Intern, NYC DEP – Croton Water Treatment Plant

Summer 2017

EDUCATION

Full-Stack Software Engineer Bootcamp, Coding Temple

March 2024

MS in Mechanical Engineering, Georgia Institute of Technology Highest Honors

Summer 2022

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

Fall 2018