

# Damir Fayzulaev

| Gainesville, FL | fayzulaevd@ufl.edu | linkedin.com/in/Damir-Fayzulaev |

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## OBJECTIVE

To attain a system engineering internship where I can utilize my education as well as technical, communication and leadership skills while gaining valuable work experience and completing challenging tasks in a fast pace environment.

## EDUCATION

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Bachelor of Science in Mechanical Engineering May 2022  
University of Florida Gainesville, FL  
Overall GPA: 3.73  
Relevant Coursework: Heat Transfer, Controls, Fluids, Finite Element Analysis, Mechanics of Material, Dynamics

## WORK EXPERIENCE

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*Mechanical Engineering Intern* Jul.2020 – Aug.2020  
**NAVSEA** Panama City, FL

- Utilized mechanical and computer engineering skills to improve the operations of the robot
- Demonstrated exceptional knowledge and skills that improved the robot by several orders of magnitude
- Communicated with various engineers and lab managers to brief about the daily progress

*Mechanical Engineering Technician Intern* Jan.2020 - Apr.2020  
**Cummins Inc.** Columbus, IN

- Conducted performance and reliability tests on multiple and single cylinder natural gas and diesel engines and components
- Arranged engine test programs, interpreted results which improved overall efficiency of the emissions lab by 2 percent
- Fully ran the test cell on multiple gas & diesel engines for customer needs and inquires

*Teaching Assistant for Computer Aided Graphics and Design/SolidWorks* Aug.2019 - Present  
**UF Herbert Wertheim College of Engineering** Gainesville, FL

- Evaluate and grade design projects and tests during the office hours to ensure students success in SolidWorks
- Mentor daily students in group projects with inputs in design flaws and questions

*Teaching Assistant for Engineering Mechanics: Dynamics* Aug.2019 - Dec.2019  
**UF Herbert Wertheim College of Engineering** Gainesville, FL

- Explained dynamics of particles and rigid bodies for rectilinear translation, curvilinear motion, rotation, and plane motion
- Demonstrated principles of work and energy, impulse and momentum and three-dimensional rigid body dynamics

*Mechanical/Software Engineering Intern for NASA Community College Aerospace Scholar* Aug.2017 - Oct. 2017  
**National Aeronautics and Space Administration** Cape Canaveral, FL

- Provided the technical knowledge in powertrain and framework to the making of the rover
- Configured the robot program to collect rocks as a simulation on Mars
- Set example through the tasks completion efficiently that lead to “Most Valuable Person” Award

## RESEARCH EXPERIENCE

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*Undergraduate Research Assistant for Autonomous Underwater Vehicle* Jan.2019 - Present  
**Machine Intelligence Lab at University of Florida** Gainesville, FL

- Co-lead the design and manufacturing of the new generation submarine using SolidWorks and various lab machines
- Conduct weekly meetings for design review from other students of the gripper, ball dropper and other actuation mechanisms
- Create arena environment to simulate real competition through ROS packages using Python and C++

*Gator MotorSports (GMS), Intake/Exhaust Engineer* Jan.2019 - Jun.2019  
**Design and Manufacturing Lab at University of Florida** Gainesville, FL

- Designed exhaust parts through various CAD software's
- Learned to use and manufactured parts using lathes, mills, drill presses, sheet metal welding, cutting and other machines

## SKILLS

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Technical Skills: MATLAB, SolidWorks, AutoCAD, Blender, GD&T Expertise, C.N.C, F.E.A, C.F.D, Motion Analysis

Certifications: Certified SOLIDWORKS Professional, Certified Microsoft Office Excel, PowerPoint & Word

Computer Skills: Python, C++, ROS (Gazebo, Rviz)

## HONORS & AWARDS

- Secret Security Clearance
- President's List (2 Semesters)
- Dean's List (5 Semesters)
- Math Olympics Participant Recognition Award
- Associate of Arts Degree (Summa Cum Laude)
- Florida Bright Futures Scholarship