# ADIL SHIRINOV

(470) 652 5543 | ashirinov203@gmail.com | www.linkedin.com/in/adilsh | Ashburn VA

## EDUCATION

**Georgia Institute of Technology (Georgia Tech)**, Atlanta, GA — Aug 2020 – **May 2025**

- *Bachelor's and Master's in Aerospace Engineering - GPA: **3.87**/4.00, **3.88**/4.00*
- Relevant courses: Numerical Analysis, Combustion, Propulsion, Design Methods

**St Clare's Oxford**, United Kingdom — Sep 2017 – May 2020

- *International Baccalaureate - GPA: **3.88**/4.00 (converted)*
- Relevant courses: Mathematics, Physics, Business and Management

## SKILLS

- **Software:** C++, Python, Matlab, Ansys, Converge CFD, Cantera, SolidWorks, Node JS, React, Dash
- **Engineering:** Lean Six Sigma, Data Analysis, GD&T, CAD design, Wood and Metal Machinery
- **Interpersonal:** Team and Result oriented, Conflict Resolution, Effective Communication, Positive Influence
- **Languages:** English (fluent), Russian (fluent), Japanese (advanced)
- **Microsoft Office:** proficient in Excel, Word, OneNote, Outlook, PowerPoint, Teams

## EXPERIENCE

**System Administrator L3 – CPM Supply And Services Inc. (New York)** — Dec 2023 – Current

- Deployed enterprise CRM system with secure SQLite backend, improving operational efficiency by 7%
- Architected and configured remote Linux server infrastructure to centralize network management
- Delivered comprehensive IT services to 22 employees, troubleshooting hardware/software issues

**Automation Engineer – Ben T. Zinn Combustion Laboratory (Atlanta)** — Sep 2022 – May 2025

- Worked on NASA hybrid-electric engine hardware, utilized Computational Fluid Dynamics (CFD)
- Led an automation project to streamline design processes through Ansys Fluent and Converge
- Developed surrogate models using Scikit-Learn to accelerate iterative optimization
- Tested a Fuel Rich Relaxation Zone injection strategy, achieved a 0.7% reduction in NOx emissions

**Teaching Assistant – Georgia Tech (Atlanta)** — Jan 2023 – May 2023

- Developed and delivered lectures on Dynamics, bridged knowledge gaps to students in an accessible manner

## LEADERSHIP

**AIAA Aerospace Design Competition, 1st Place** — Aug 2023 – May 2024

- Managed 10 engineers for the "GenetriX" project at the AIAA Venus Exploration Competition
- Developed a Digital Twin to simulate and optimize the integration of all mission-critical subsystems
- Perfected the Entrance Descent Landing mechanism using Neural Network prediction

**'RoboTech' Engineering Innovation Hackathon, 2nd Place** — Apr 2022

- Led a team of 3 engineers to design robotic buyo to clean out oceanic microplastic
- Won 2nd place overall, 1st place for SolidWorks design, and the 'most creative project' award