

# Zuleika Deleston

Propulsion Engineer

✉ [zuleika.deleston@gmail.com](mailto:zuleika.deleston@gmail.com)  
☎ (778) 495-8952  
📍 125 Main St, Buffalo, NY 14201

## Education

**Master of Science  
in Aerospace Engineering  
at Rensselaer Polytechnic  
Institute, Troy, NY**

Sep 2018 - May 2022

Relevant Coursework:

Aerodynamics, Astrodynamics,  
Propulsion Systems, Structural  
Mechanics, Flight Dynamics,  
Control Systems, Materials  
Science, Orbital Mechanics,  
Computational Fluid Dynamics,  
and Aircraft Design.

## Links

[linkedin.com/in/zuleikadeleston](https://www.linkedin.com/in/zuleikadeleston)

## Skills

Thermodynamics  
Aerodynamics  
Fluid Mechanics  
Combustion Analysis  
Rocket Propulsion  
Turbomachinery  
Computational Fluid Dynamics

## Languages

English  
Indonesian

## Hobbies

## Profile

Propulsion Engineer with 1 year of experience in designing, testing, and analyzing propulsion systems for aerospace applications. Adept at utilizing cutting-edge technology and engineering principles to optimize performance, reduce costs, and ensure safety. Demonstrates strong problem-solving, teamwork, and communication skills, contributing to the successful development and implementation of innovative propulsion solutions.

## Employment History

**Propulsion Engineer at Accion Systems Inc., NY**

May 2023 - Present

- Led the development and successful testing of Accion's TILE ion propulsion system, resulting in a 30% increase in fuel efficiency and a 25% reduction in system mass compared to traditional propulsion technologies.
- Managed a cross-functional team of 15 engineers and technicians to design, build, and deliver five flight-ready propulsion systems for customer integration within a tight 12-month deadline, exceeding client expectations and increasing company revenue by \$2 million.
- Implemented innovative manufacturing processes that reduced production time by 40% and costs by 20%, while maintaining strict quality standards, enabling the company to secure three new contracts valued at over \$5 million.

**Associate Propulsion Engineer at Northrop Grumman Corporation, NY**

Jul 2022 - Mar 2023

- Successfully designed and optimized a propulsion system for a major aerospace project, resulting in a 15% increase in fuel efficiency and a 10% reduction in overall system weight.
- Led a team of junior engineers in the development and testing of a new rocket propulsion technology, achieving a 20% improvement in thrust-to-weight ratio and contributing to the successful launch of a high-priority satellite mission.
- Collaborated with cross-functional teams to investigate and resolve a critical propulsion system issue on a military aircraft, reducing system downtime by 30% and saving an estimated \$2 million in maintenance costs.

## Certificates

**Certified Propulsion Engineer (CPE)**

Jan 2022

**Liquid Rocket Engines Specialist Certification**

Aug 2020

## Memberships

**American Institute of Aeronautics and Astronautics (AIAA)**