

# JANIS STENDZENIEKS

## ENGINEERING STUDENT

Houston TX, USA/Riga, Latvia | janis@rice.edu | janisstendzenieks.com

Mechanical Engineering student at Rice University with experience in composites, materials research and project engineering. Worked on high-powered aircraft, rockets and e-vehicles. Using engineering, science & design as a creative outlet.

## EXPERIENCE

### Composites-High Powered Rocketry

Oct 2025 - present

Rice Eclipse (Houston, TX)

- Fibre glass & carbon composite body sanding & surface finishing
- Body & fin assembly & reinforcement via epoxy resin

### Engineering Intern—Aircraft Manufacturing

Jun 2025 - Aug 2025

Tarragon Aircraft (Riga, Latvia)

- Carbon composite sanding & surface finishing on ultralight parts—air intake, bulkhead, ailerons, fuselage, fuel tank
- Fuselage part structural bonding & assembly

### Vehicle Engineering—RTU EHS Automotive Team

Oct 2024 - Jul 2025

Riga Technical University Engineering High School (Riga, Latvia)

- Full development (frame welding, steering, control electronics) of 4 high-efficiency e-tricycles from recycled materials & e-motors
- Public showcase & presentation at the National Song and Dance Festival (40 000+ attendees)

### Research Intern—Photonic Materials & Nanotechnology

May 2023 - May 2024

Riga Technical University (Riga, Latvia)

- Ta-TiO<sub>2</sub> optically active nanomaterial design for photonic memory & computing applications
- Placed 1st in National Student Scientific Research Conference, highest score in Engineering & Technology category

### Vehicle Engineering—RTU VIP Power Electronics Team

Feb 2023 - Jul 2023

Riga Technical University (Riga, Latvia)

- Brake system installing, lightweight frame welding and composite aerodynamic body work
- Placed 1st in the National Vehicle Energy Efficiency Competition, awards in multiple subcategories

## EDUCATION

### BS—Mechanical Engineering

Aug 2025 - present

Rice University, Houston TX

- GPA: 3.9/4
- Rocketry team, personal engineering projects (incl. a GoPro-style phone camera case with torso mount)

### Riga Technical University Engineering High School

Sep 2022 - Jul 2025

Riga, Latvia

- GPA: 9.99/10; Class rank: 1st
- Student gov. creative & event host, tutor, astronomy olympiad & engineering

## ADDITIONAL

**Language** • bilingual proficiency in English, native in Latvian

**HTML & CSS**

**Fusion 360 CAD**

**3D printing**