

# Sebastián Hudák

Aeronautical Engineering Student



## About me

Young ambitious student of Aeronautical engineering in Delft willing to work hard to gain knowledge in the field of engineering. The biggest strength is critical & out of the box thinking. In free time propulsion engineer, passionate snowboarder, biker, and projects maker.

## Contact

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🚗 Driving License A2, B

## Languages

- 🇬🇧 English - C1 level  
🇸lovak - Native  
🇨zech - Native

## Soft Skills and Strengths

- Creativity Out of box thinking  
Flexibility Self Confidence  
Eye for Details Problem Solving  
Team Working Good Communication

## Professional Skills

- SiemensNX ANSYS CEA RPA  
CATIA Machining ETEX MATLAB  
C/C++ Python

## Other Interests

- Motorbike
- Gym
- Snowboarding
- Travelling

## 🎓 EDUCATION

August 2021-  
Ongoing



### Bachelor Degree InHolland Hogeschool

Aeronautical Engineering Faculty

Number of successful engineering projects with a focus on aerodynamics, lightweight structures, manufacturing, and testing.

- Working in a team of 6-15 people.
- Manufacturing using Composites (carbon fiber, glass fiber).
- Repaired the university's CNC and adapted its system to modern CAM software.

September  
2016-June  
2021



### High School Diploma

Javorka - Grammar School

Bilingual - English proficiency

- Majored in English at C1 level.
- Graduate in English, Mathematics, and Physics.

📍 Delft, The Netherlands

📍 Spišská Nová Ves, Slovakia

## 💼 WORK EXPERIENCE

May  
2023-Today



### Propulsion Engineer AQUILO Student Rocket Team

Propulsion Department

📍 Delft, The Netherlands

An engineer within the propulsion department, specialized in the design, manufacturing and testing of AQUILO rocket motor technology.

- Currently involved in the bi-propellant liquid propulsion project.
- The lead of Head-End Ignition (HEI) project, improving current solid rocket motor performance by 15%.

July  
2024-Today



### Simulator Technician CAE Amsterdam B.V.

Engineering / Operator Department

📍 Amsterdam, The Netherlands

After a successful internship project solving the company's problem with simulator measurements, hired part-time with a focus on simulator measurements digitalization.

## 💻 HARD SKILLS

### Manufacturing

CNC machining (Turing / Milling): Intermediate

### Data Analysis

MATLAB: Intermediate

### Modeling and Simulation

SiemensNX : Advanced

CATIA v5/v6: Intermediate

RPA Software: Intermediate

CEA: Intermediate

ANSYS Workbench: Beginner

## 🏆 ACHIEVEMENTS

- Many free-time engineering-based projects (CNC machine, real-time GPS, weather data unit, etc.)
- Stand behind the best design of the second-year project tail section chosen to be a showcase for future students.
- 2nd place in the district round of the Technical Olympiad 2.12.2015
- Member of volunteer fireman team for 10 years

## </> PROGRAMMING LANGUAGES

- C/C++: Advanced

- Python: Intermediate