

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

✉ sh.sebastianhudak@gmail.com
☎ +31 6 43490832
📍 Van Swietenstraat 24B
2518SJ The Hague, The Netherlands
📧 sebastian-hudak
🚗 Driving License A2, B

Languages

🇬🇧 English - C1 level
🇸🇰 Slovak - Native
🇨🇪 Czech - 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 EFX 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.

📍 Delft, The Netherlands

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.

📍 Spišská Nová Ves, Slovakia

WORK EXPERIENCE

May
2023-Today



Propulsion Engineer

AQUILO Student Rocket Team

Propulsion Department

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%.

📍 Delft, The Netherlands

July
2024-Today



Simulator Technician

CAE Amsterdam B.V.

Engineering / Operator Department

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

📍 Amsterdam, The Netherlands

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