Péter Onódi

p.onodi@gmail.com • +36 70 560 7484 • www.linkedin.com/in/peteronodi
Date of birth: 20/6/1992 • *Citizenship:* Slovak • *Addess:* 6 Frank van Borselenstraat, 2613NL Delft, The Netherlands

PERSONAL PROFILE

Aerospace Engineering MSc student currently looking for graduate programme opportunities. My main areas of interest include aircraft design, system engineering, aerodynamics and programming.

EDUCATION

MSc in Aerospace Engineering at TU Delft, The Netherlands *Sep 2016 – Jul 2018*

- *Track*: Flight Performance and Propulsion
- *GPA*: 8.8 / 10
- *Relevant subjects*: Advanced Aircraft Design, Multidisciplinary Design Optimization, Knowledge Based Engineering, Aircraft Performance Optimization

BSc in Vehicle Engineering at Budapest University of Technology and Economics (BME), Hungary *Sep 2012 – Jan 2016*

- *Track*: Aerospace Engineering
- *GPA*: 4.64 / 5

WORK EXPERIENCE

Teaching assistant at TU Delft, Faculty of Aerospace Engineering, the Netherlands
Aerodynamics, Wind Energy, Flight Performance & Propulsion (AWEP) Department

- Turbomachinery MSc course *Nov 2017 – Mar 2018*

Intern at Fokker Aerostructures B.V., The Netherlands
Product Group Fuselages *Jun 2017 – Sep 2017*

- *Responsibilities*: Developing a Knowledge Based Engineering application for fast and flexible preliminary design of fuselages.
- *Results*: The tool will be further developed and integrated into the design workflow. Successfully demonstrated the tool's capabilities on a workshop for engineers.

Software developer at Hungarian Academy of Sciences, Institute for Computer Science and Control (MTA SZTAKI), Hungary
Aerospace Guidance, Navigation and Control Group *Sep 2015 – May 2016*

- *Responsibilities*: Participating in the development of a new safety-critical UAV. Tasks included component design, CAD modeling, aerodynamic analysis, flight dynamics simulation, manufacturing and flight tests.
- *Results*: The aircraft was manufactured by a group of 3 in less than 2 months. After the successful flight tests the UAV was used in the development of a new flight control computer and an innovative camera-based collision avoidance system.

ACADEMIC AWARDS, SCHOLARSHIPS

SCHOLARSHIPS

- Scholarship of the Hungarian Republic, *Sep 2015 – Jun 2016*
  Granted by the Hungarian Government for outstanding academic performance (top 0.8%)
- KBME scholarship, *Sep 2014 – Jun 2016*
  For community activities at the university
- TÁMASZ scholarship, *Sep 2014 – Jun 2015*
  Granted for foreign students, based on academic results and extracurricular achievements

COMPETITIONS

- Fokker Knowledge Based Engineering Competition, *Jun 2017*
  Developed a software tool for rudder design with one teammate. We took the 2nd place.
- Logistics Team Championship, *Dec 2014 – May 2015*
  Solved theoretical and practical supply chain problems with a small team. We achieved 3rd place in a 4-round international competition and were invited to the annual conference of supply chain managers.
- Aircraft Design Competition, *Dec 2013 – May 2014*
  The goal was to design a high speed, long range UAV. Our team was invited to the **Short Course on UAVs and Small Aircraft Design** in Von Karman Institute for Fluid Dynamics (Belgium) to present our concept.

PROJECTS, ASSOCIATIONS

Aircraft Manufacturing Laboratory *Feb 2017 – Jun 2017*

- Leader of one of the two construction groups
- Started the manufacturing of a Van's RV-12 general aviation aircraft built entirely by students
- Our team set up a new laboratory for manufacturing and built the tail section of the aircraft

Student Association of Mechanical Engineers (BME GJSZ) *May 2014 – Jan 2016*

- Founder member of Aerial Vehicle Group
- Participated in the conceptual design of a closed wing UAV

Department of Vehicle Elements and Vehicle-Structure Analysis, BME *Dec 2014 – Feb 2015*

- Developed a simple, user-friendly design software for a customized motorhome manufacturer.

Közhír - Faculty Magazine *Oct 2012 – Dec 2015*

- Student magazine of the year in 2015 (DUE Award)
- Tasks as editor included writing interviews and technical articles

Mentor Team *Apr 2014 – Mar 2016*

- Coaching 20 first-year students and organizing faculty events
- Teaching preparatory courses and consultations (Math, Engineering Drawing, etc.)

Budapest University of Technology's Sport Flying Association (MSE) *Oct 2015* – Present

- Member of the Soaring Section (level: FAI C Badge)

LANGUAGES SKILLS

- English: Fluent (Level C1), IELTS Academic Test (Overall Band Score: 8/9)
- Hungarian: Native
- Slovak: Fluent (Level C1)
- German: Intermediate (Level B2)
- Czech: Intermediate
- Dutch: Beginner

COMPUTER SKILLS

MS Office, LaTeX,
Programming: Matlab, Python, Delphi, Pascal, HTML, CSS
CFD: Ansys (CFX), XFLR5, Tornado, AVL, etc.
CAD: Solid Edge, Catia
FEM: Femap, Abacus, Patran/Nastran

INTERESTS

Gliding, running, traveling, scale model building

Delft, November 11, 2017