

Arturas Malinauskas

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EDUCATION

Northwestern University

Expected Graduation: June 2019

Mechanical Engineering Major, **Business Institutions** Minor

Cumulative GPA: 3.31/4.00

Relevant Courses: Fluid Mechanics, Digital Control Systems, Mechatronics, Machine Element Design

ETH Zurich

September – December 2018

Exchange Student in the department of **Mechanical Engineering**

WORK EXPERIENCE

Whirlpool Corporation Advanced Development Group

June 2018 – August 2018

Structures Team Intern

- Researched welding methods and adhesive properties for structural use in a new technology
- Established testing plans for rapid assessment of small components' fatigue and impact strengths
- Led engineers in Poland, India, and USA to consolidate requirements for refrigerator attachments

Segal Prototyping and Fabrication Lab

September 2016 – June 2018

Level 2 Prototyping Assistant

- Trained students in CNC Laser Cutter, Water Jet Cutter, Mill, and Lathe operating techniques
- Consulted with engineering students to select effective fabrication methods for their project needs

ENGINEERING PROJECTS

Northwestern Space Technology and Rocketry Society

September 2017 – Present

Competition: NASA Student Launch

- Designing an air drag mechanism and control scheme to limit launch vehicle apogee to 5000 ft
- Development of a retention mechanism to release a UAV from the launch vehicle after it lands

Advanced Mechatronics Course

April 2018 – June 2018

Project: Robot Rover Design

- Created a custom PCB for a PIC32 microcontroller and electronics needed to drive two DC motors
- Fabricated a rover which used a smartphone to autonomously identify and drive on a marked path

LEADERSHIP EXPERIENCE

Northwestern Space Technology and Rocketry Society

September 2018 – Present

Co-Lead for Payload Mechanical and Active Drag Subteams

- Managing teams' work flow and design documentation for the NASA Student Launch Competition
- Coordinating with fellow team leads to meet electrical system and launch vehicle requirements

Northwestern Space Technology and Rocketry Society

May 2016 – May 2017

Co-Chair of Educational Outreach

- Conducted weekly workshops in 3 different schools to stimulate 75 students' interest in STEM
- Created the curriculum, organized volunteers, and budgeted materials for each workshop

New Student and Family Programs

April 2016 – April 2017

Peer Adviser

- Guided a group of 9 incoming Northwestern students through the college transition
- Facilitated a biweekly class for two quarters about college expectations and first year success

SKILLS & INTERESTS

Fabrication: CNC Laser Cutting, CNC & Manual Milling, Carpentry, Sheet Metal Work, Circuitry

Computer: MATLAB, C, Android Studio, NX, SolidWorks, Autodesk Fusion 360, Autodesk Eagle

Certifications: National Association of Rocketry (NAR) Level 1 High Power Rocketry

Languages: Russian (fluent speaker, limited reading), French (intermediate), German (basic)

Interests: Cooking, Cosmology, Improv, Painting, Film