

# Yuliia Sergeeva

205 Lake Forest Blvd, Kalamazoo, MI, 49006  
[yuliia.sergeeva@gmail.com](mailto:yuliia.sergeeva@gmail.com)  
+1 (269) 254-31-82  
[www.linkedin.com/in/yuliia-sergeeva-9b902296](http://www.linkedin.com/in/yuliia-sergeeva-9b902296)

An enthusiastic and ambitious Mechanical Engineering graduate seeking an internship or job starting from summer 2017. A hard working, motivated student with comprehensive knowledge of designing and analyzing machinery parts in modern software; projects management; developing and promoting tech startups.

## Education

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<b><i>Master of Mechanical Engineering, GPA 3.25</i></b>	<b>September 2015 - present</b>
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*Western Michigan University, Kalamazoo, MI, US*  
Department of Mechanical Engineering  
Expected graduation: April 2017

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<b><i>Master with honors of Shipbuilding and Ocean Engineering</i></b>	<b>February 2015</b>
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*Admiral Makarov National University of Shipbuilding, Mykolaiv, Ukraine*  
Department of Ship Power Plants and Equipment

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<b><i>Master of Science in Manufacturing</i></b>	<b>September 2014</b>
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*Glyndwr University, Wrexham, United Kingdom*  
Department of Aeronautical and Mechanical Engineering

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<b><i>Bachelor with Honors of Shipbuilding and Ocean Engineering</i></b>	<b>May 2012</b>
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*Admiral Makarov National University of Shipbuilding, Mykolaiv, Ukraine*  
Department of Ship Power Plants and Equipment

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<b><i>Bachelor of Interior Design</i></b>	<b>Incomplete</b>
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*Admiral Makarov National University of Shipbuilding, Mykolaiv, Ukraine*  
Department of Arts

## Work Experience

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<b><i>Sales Assistant, Manager Assistant</i></b>	<b>December 2014 – August 2015</b>
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**Van Dijk FEM Engineering BV**, Delft, Netherlands / Mykolaiv, Ukraine

- Map potential customers, generate leads (Ukraine, Russia, Poland, Germany, UK);
- Develop promotion strategy, promote company to potential customers;
- Assisting in a Startup development: (business plan development, grant proposals preparation);
- Startup website development: seadrone.nl.

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<b><i>Intern</i></b>	<b>June - July 2011</b>
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**State Enterprise Gas Turbine Scientific Production Complex Zorya-Mashproekt**, Mykolaiv, Ukraine

- Learn about gas turbines experimental research methods, assembling and testing;
- Evaluation of results obtained during testing;
- Learn knowledge about safety arrangement and precautions.

## Projects

- *A virtual reality based powered wheelchair simulator for human operator modeling.* 2016-2017  
Developing a virtual reality (VR) based power wheelchair simulator that can be used for testing an adaptive tremor filtering joystick for the powered wheelchair.
- *SeaDrone ©.* Developing the marketing concept of the product. Website and social media pages development ([www.seadrone.nl](http://www.seadrone.nl)). Grant proposal writing and crowdfunding campaign development. 2015
- *Design of an efficient marine biofuel heater.* Theoretical design of a biodiesel heater, enhancement with a changing a plain inner tube to a twisted one. CFD modelling of both designs. Economical evaluation of the project. 2014-2015
- *Mobile holder designing and prototyping.* A mobile holder design that could be assembled as 3D puzzle, attached to a car vent grid and sent in a regular envelope. Prototyping the holder using a laser cutter. 2014
- *Analysis of On-shore and Off-shore Winf Power Stations Potentiality in the South of Ukraine.* Wind power energy potential investigation. 2012
- *Comparative Analysis of Elevation of Impact Loads in Gas Turbine Engine Starting Systems.* Theoretical and experimental results comparison. 2011

## Awards and funding

- Fulbright Graduate Program grantee 2015
- First place in the Second Round of All-Ukrainian Student Research Papers Competition. Research area: Shipbuilding and water transport. 2015
- First place in Ship Power Plants and Equipment Thesis Competition of Admiral Makarov National University of Shipbuilding, Mykolaiv, Ukraine 2015
- Scholarship of Ministry of Education and Science, Youth and Sport of Ukraine for studying in Glyndwr University, UK. 2013
- Selected as alternate candidate for Fulbright Graduate Student Program 2012
- Semi-finalist of All-Ukrainian Student Research Papers Competition Research area: Shipbuilding and water transport. 2012

## Positions held/volunteering

- **General Secretary**, Fulbright Student Organization at Western Michigan University (2016-present);
- **Self employed business**, Home Bakery Nikolaev, Mykolaiv, Ukraine (2014-2015);
- **Volunteering** at the Chester Cathedral, Chester, England (2014);
- **Doctor's Assistant**, Mykolaiv, Ukraine (summer 2012, 2013);
- **Volunteering** at the All-Ukrainian running day, Mykolaiv, Ukraine (2011)

## Additional skills

<b>Software</b>	Matlab, UnrealEngine, AutoCad, Kompas-3D, Solidworks, FlowVision, Ansys Fluent, Abaqus, MS Office.
<b>Languages</b>	Ukrainian, Russian (native), English (fluent), German, Polish, Belorussian (basic)