

# Curriculum Vitae

## - Personal information:

Name: Olga Ogorodnyk  
Date of Birth: 01.11.1993  
Nationality: Ukrainian  
Gender: Female  
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## - Education:

University Name: **National Technical University of Ukraine “Kyiv Polytechnic Institute”**  
Department: Educational Scientific Complex “Institute for Applied Systems Analysis”  
Program: Computer Science  
Diploma: Bachelor of Computer Science  
Average grade: B, Bachelor thesis grade: A.

University Name: **Norwegian University of Science and Technology in Gjøvik**  
Department: Technology, Economy and Management  
Program: Sustainable Manufacturing  
Diploma: Master of Sustainable Manufacturing  
Average grade: B, Master thesis grade: A.

## - Internships:

- **September 2012 – November 2012** – Manager, “CreditPromBank”.
- **September 2013 – November 2013** – Junior developer, “NetCracker”.

## - Work experience:

- **April 2015 – June 2016** – Project assistant, NTNU Gjøvik;
- **August 2015 – December 2015** – Student assistant in Management and Leadership for Sustainability course, NTNU Gjøvik;
- **June 2016 – December 2016** – Research assistant, NTNU Gjøvik;
- **January 2017 – Present** – PhD fellow, NTNU Gjøvik.

## - Research:

### Publications:

- *Olga Ogorodnyk*, Assessment methods of bankruptcy risks // Innovations in science and technology: Materials of XI international scientific conference, Kyiv, Ukraine 28 November 2013.
- *Olga Ogorodnyk*, Forecasting of demand on railway tickets // Systems analysis and information technology: Materials of international scientific and technical conference, Kyiv, Ukraine 26-30 may 2014.
- *Jo Sterten, Olga Ogorodnyk, Andrey Verlan*, Principles of precision parametric reduction for mathematical models // *Journal “Mathematical and computer modeling”* 12<sup>th</sup> issue, 2015.
- *Stig Ottosson, Anastasiia Moldavska, Olga Ogorodnyk, Torbjørn Skogsrød*, What is and how to develop sustainable innovation? // International Conference on Leadership, Innovation and Entrepreneurship (ICLIE), Dubai, UAE 20-22 April 2016.
- *Olga Ogorodnyk, Malin Victoria Granheim, Halvor Holtskog*, Preconditions for Learning Factory – A Case Study // 6th Conference of Learning Factories, Gjøvik, Norway 29-30 June 2016.

- *Jo Sterten, Olga Ogorodnyk*, Application of Modern Educational Methods through Implementation of the Ambulance Simulator at a Clinic Laboratory (NTNU Gjøvik) // 6th Conference of Learning Factories, Gjøvik, Norway 29-30 June 2016.
- *Olga Ogorodnyk, Malin Granheim, Halvor Holtskog, Ievgen Ogorodnyk*, Roller skis assembly line learning factory – development and learning outcomes // 7th Conference on Learning Factories, Darmstadt, Germany 4-5 April 2017.

#### **Course works:**

- **June 2011** – Program for teaching how to transfer numbers from one numerical system to another (Delphi);
- **June 2012** – Determination of eigenvalues of a matrix: methods of Krylov and Danilevsky (C++);
- **December 2012** – Implementation of the database of human resources department (PL/SQL, Delphi);
- **June 2013** – Research through the methods of patterns recognition;
- **December 2013** – Realization of Penalty function method for the solution of the recourses distribution problem (Java).

#### **Bachelor thesis:**

- **June 2014** – Forecasting of train tickets demand with help of Fuzzy Group Method of Data Handling (FGMDH) (C#).

#### **Master thesis:**

- **June 2016** – Development of educational activity based on the learning factory in order to enhance learning experience.

#### **- Computer skills:**

- Programming languages: C, C++, C#, Java, Python, Delphi;
- MatLab, Wolfram Mathematics;
- Oracle, PL/SQL Developer;
- Eviews;
- MS Office (Word, Excel, Access, Power Point, Visio);
- Operational systems: Windows, Ubuntu, MacOS.

#### **- Foreign Languages:**

- Russian – Fluent;
- Ukrainian – Fluent;
- English – TOEFL iBT Score: 98 from 120;
- French – B1;
- Polish – A1;
- Norwegian – B1.