

# KAROLINA BOLESTA

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## EDUCATION

**Warsaw School of Economics**, Warsaw, Poland 2020-present  
PhD in Quantitative Economics, awarded with Rector's scholarship for best PhD students  
Thesis: Labour market in light of the technological change. Analysis leveraging NLP methods

**Warsaw School of Economics**, Warsaw, Poland 2018-2020  
Master of Arts in Quantitative Methods in Economics and Information Systems, with highest honors (top 1% graduates)  
Thesis: Robotization of business processes using Artificial Intelligence

**University of Warsaw**, Warsaw, Poland 2015-2018  
Bachelor of Arts in Finance, Accounting and Insurance, with highest honors (top 1% graduates)  
Thesis: Manipulation and frauds in the financial statements

## RESEARCH FELLOWSHIPS

**Collegio Carlo Alberto**, Turin, Italy III 2021-IX 2021  
Full scholarship, major: youth employment, EEA and Norway Grants (UE Agency for Fundamental Rights)

**Georgetown University**, Washington, D.C., United States VI 2020  
Research fellowship, major: Data Science and Artificial Intelligence  
Full scholarship which was given to best 52 profiles worldwide

**New York University**, New York, United States VII 2019  
Research fellowship, major: Artificial Intelligence and Entrepreneurship  
Selected as one of 500 participants out of 30000 applicants

## WORK EXPERIENCE

**Chancellery of the Prime Minister**  
*Artificial Intelligence Expert in the research, innovation and implementation department* III 2021-present

- Setting up Polish AI strategy

**Warsaw School of Economics**  
*Research Assistant* XII 2020-present

- Research work, writing papers

**Procter&Gamble**  
*Senior IT Manager* X 2022-present

- Managing DevOps Engineers team, working on CI/CD and automation of software development

  
*IT Manager* VI 2020-IX 2022

- Managing the development of one of the biggest global sales system in the company

**APHR**  
*Cyber Security Trainer* X 2019-XII 2019

- Conducted security trainings at Bydgoszcz University of Science and Technology

**Warsaw School of Economics**  
*Java Trainer* X 2018-VI 2019

- Conducted several dozen programming trainings at a basic and advanced level, ongoing support of trainees

**VELUX**  
*Project Manager of Robotic Process Automation Course* X 2019-I 2020

- Created a timeline for the project and supervised activities

**Conquest Consulting**  
*Business Consultant* III 2018-V 2018

- Market research, competitor analysis, expert interviews, strategic advice

## SELECTED LEADERSHIP EXPERIENCE AND COMMUNITY INVOLVEMENT

### Scientific Association for Computer Science

#### *President of the Board*

VI 2019-V 2020

- Preparing strategic plans for organization development, leading the team of 120 people

#### *Project Leader of Girls do IT*

X 2018-V 2019

- Coordinated the largest IT student project at the university, encouraging to join IT industry

### The Grants Committee

#### *President of the Board*

X 2019-VI 2020

- Coordinating the application and selection process for the scholarship, managing budget of 15.000.000 PLN

## SELECTED HONORS AND AWARDS

TOP 100 Women in Cloud Computing in Poland, Education Foundation PERSPEKTYWY

V 2023

Increased doctoral scholarship for the best PhD students of the Warsaw School of Economics

XI 2022

SGH Warsaw School of Economics Leader Award 2022 in Social Impact

VI 2022

**TOP 100 Women in AI in Poland**, Education Foundation PERSPEKTYWY

VI 2022

Increased doctoral scholarship for the best PhD students of the Warsaw School of Economics

XI 2021

**Forbes 30 under 30 – young people who conquer the world**

IX 2021

2nd prize in international competition for best mobile app improving social inclusion

VIII 2020

**Academic Noble Prize in 2 categories: Economics and Social Impact**

VII 2020

Distinction at Canvas Challenge – business competition at Warsaw School of Economics

V 2020

Scholarship Data Science Massachusetts Institute of Technology

V 2020

**1st prize winner in the final round of an international hackathon Hack Covid 19 in Azerbaijan**

IV 2020

Santander Machine Learning & Artificial Intelligence scholarship

IV 2020

Finalist of Top Young 100

I 2020

Finalist of EmpowerPL, Boston Consulting Group

I 2020

National Science Center, Poland, research grant

X 2019

3rd prize winner of RIS Challenge Labs organized by EIT Food (European Institute of Innovation & Technology)

X 2019

Young Scientist Scholarship, Warsaw School of Economics

VI 2019

Scholarship for high-impact entrepreneurs 2019, TrepCamp, Los Altos, CA

V 2019

Rector's scholarship for academic excellence, Warsaw School of Economics

2018/2019

Rector's scholarship for academic excellence, Warsaw School of Economics

2019/2020

1st prize winner of the 14th edition of IT Academy at Deloitte

XII 2018

Rector's scholarship for academic excellence, University of Warsaw

2015/2016

Rector's scholarship for academic excellence, University of Warsaw

2016/2017

## LANGUAGES

Polish – native, English – fluent, French – basics, German – basics

## PROGRAMMING AND ANALYTIC SKILLS

Java, C++, SQL, Python, HTML, CSS, JavaScript, VBA, STATA, SPSS

## RESEARCH GRANTS

Team member of COST Action 19130 Fintech and Artificial Intelligence in Finance (FinAI).

I 2022-present

Team member in the international research project EUSOCIALCIT about social inequalities financed by EU H2020.

IX 2020-present

Team member in the international research project SHARE about aging financed by EU H2020.

I 2021-I 2022

Team member in the international research project VIRAGE about gender equality financed by EU H2020.

IX 2020-XII 2021

Team member in the international research project ANGLE about financial education financed by EU H2020.

X 2021-I 2022

Team member in the research project of the National Science Center of Poland "Polarization of the Polish labour market in the context of technological change".

VIII 2020-VII 2021

Managing one research project (increasing the efficiency of the organization) and being a team member in the other (building a database) as part of the initiative of the Polish Association of Logistics Managers.

V 2020-X 2021

Managing research as an Account Manager during the European Matchathon hackathon.

V 2020

Team member in the Massachusetts Institute of Technology research project in the field of Digital Transformation.

IV 2020

Team member in the research project of the Students' Parliament of the Republic of Poland "How do students obtain information about the university?"	III 2020
Team member in the project of the National Science Center "Unemployment registered as a non-traditional path of professional deactivation of the elderly. Analysis using longitudinal data about multiple events".	XI 2019-present
Participant of the first edition of the research program "Young Scientist".	VI 2019-V 2020
Team member in the research project "Study of the savings market among students".	II 2019-IV 2019

#### SELECTED PAPERS

Eick et al. (2023). EuSocialCit Working Paper. How citizens understand European social citizenship: deepening quantitative survey results with focus group analysis. DOI: 10.5281/zenodo.8289115.

Szlavi et al. (2023). Bridging Values: The Inclusion of Young Generations in Computing. Springer, Lecture Notes in Computer Science, Universal Access in Human-Computer Interaction. DOI: 10.1007/978-3-031-35681-0\_10.

Nechkoska et al. (2023). Academia Diffusion Experiment: Trailblazing the Emergence from Co-Creation [in:] Facilitation in Complexity. From Creation to Co-creation, from Dreaming to Co-dreaming, from Evolution to Co-evolution. Springer. DOI: 10.1007/978-3-031-11065-8.

Nechkoska et al. (2023). Multi-Vortex Tornado Blueprint for Disruptive Global Co-Creation (Inspired by EUvsVirus) [in:] Facilitation in Complexity. From Creation to Co-creation, from Dreaming to Co-dreaming, from Evolution to Co-evolution. Springer. DOI: 10.1007/978-3-031-11065-8.

Bolesta, K. (2023). The specificity of the labor market for generation Z in the European Union countries in the quantitative and qualitative perspective. Economic and Regional Studies. ISBN 978-83-64881-95-4.

Bolesta, K. (2023). Principal component analysis of the older workers population registered in the public employment offices as unemployed, The Polish Statistician, vol. 68, 13. DOI: 10.5604/01.3001.0016.2361.

Bolesta, K. (2022). Youth labour market: indicators of demand and availability before and during Covid-19, Iceland, Lichtenstein and Norway grants.

Cichowicz, E., Galecka-Burdziak, E., Flaszynska, E., Bolesta, K. (2022). Pre-retirement allowances and benefits. Premature professional deactivation?, Praca i Zabezpieczenie Społeczne.

Chłoń-Domińczak, A., Kotowska, I. E., Magda, I., Smyk-Szymańska, M., Strzelecki, P., Bolesta, K. (2021), EuSocialCit Working Paper. The role of social investment in the life course: possible reduction in vulnerability and gender gaps. DOI: 10.5281/zenodo.6358545.

Bolesta, K. (2021). Security of data and IT systems [in:] Economic considerations of SGH students, Jamróży, M., Karbowski, A. (red.), Publishing House of the Warsaw School of Economics, Warszawa 2021, s. 33-54, ISBN: 978-83-8030-441-3.

Bolesta, K., Sobik, B., (2020). Analysis of anti-crisis measures during the COVID-19 pandemic in European countries. Scientific Journals of the Polish Economic Society in Zielona Góra, 7(13), s. 18-30, DOI: 10.26366/PTE.ZG.2020.176.

#### SELECTED PRESENTATIONS AT SCIENTIFIC CONFERENCES

<i>The labor market for youth in the quantitative and qualitative perspective</i> , The labor market challenger, Biała Podlaska	2022
<i>The role of social investment in the life course</i> , 28 <sup>th</sup> International Conference of Europeanists, Lisbon	2022
<i>Labour market polarisation - the analysis of unmet labour demand using AI methods</i> , University of Rijeka	2021
<i>Older people in the registers of poviát labor offices</i> , Warsaw University of Life Sciences	2021
<i>Multi-factor analysis of job offers from the qualification analysis</i> , State Higher School of Pope John Paul II in Biała Podlaska	2021
<i>Older people in the registers of poviát labor offices</i> , Warsaw School of Economics	2021
<i>What skills on labour market really matter? Analysis using k-means method</i> , Science: Polish Perspectives Conference	2021
<i>Registered unemployment for people aged 50+</i> , Theory and practice of social policy, Warsaw	2020
<i>The applications of Artificial Intelligence you have never heard of</i> , Warsaw University of Technology, Warsaw	2019
<i>Human Learning in Machine Learning</i> , ML in PL Conference, Warsaw	2019
<i>Artificial Intelligence in business robotization</i> , Reflector – short area, Ilawa	2019
<i>Make the most of data whisper in everyday life using Artificial Intelligence</i> , HackYeah, Warsaw	2019
<i>How to boost your business with Artificial Intelligence</i> , X edition of Warsaw IT Days, Warsaw	2019