



Olga Iarygina

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EDUCATION

UNIVERSITY OF COPENHAGEN

MAJOR: MSc IT AND COGNITION

MINOR: HUMAN-COMPUTER INTERACTION AND DATA SCIENCE

2020 - 2022 | Copenhagen, Denmark

MS THESIS TOPIC

Investigating the Utility of Different Ways to Share User Experiences

Grade: 12/12

SELECTED RELEVANT COURSES

Cognitive Science I, II, III • Natural Language Processing I, II, III • Computer Vision • Advances Topics in Human-Centered Computing • Data Science

NATIONAL RESEARCH UNIVERSITY

HIGHER SCHOOL OF ECONOMICS

MAJOR: BA SOCIOLOGY AND SOCIAL INFORMATICS

MINOR: DATA SCIENCE

2016 - 2020 | St. Petersburg, Russia

BA THESIS TOPIC

[Learning Strategies and Self Regulation in Blended Learning: the Case of Data Science Specialization](#)

Grade: 10/10

SELECTED RELEVANT COURSES

Data Analysis

• Data Science I, II, III • Data Mining and Elements of Machine Learning • Social Network Analysis • Data Analysis in Sociology I, II, III

Information Technologies

Information Systems • Introduction to HCI and Social Computing • Business Applications of Data Analysis • Programming Social Applications • Databases • Text Mining

Human Factors

Psychology • Theory Construction and Model Building • Psychology of Cognition • Social Research Methods I, II, III

SKILLS

R • Python • SQL • MongoDB • Neo4j (Cypher) • Spark SQL
• Tableau • Power BI • NetLogo • \LaTeX

ACHIEVEMENTS

- Russian Governmental Scholarship for Bachelor's studies (Sep 2015)
- Vladimir Grodsky Scholarship for Student Achievements in Social Research (MediaScope company, Sep 2019)
- Danish Governmental Scholarship for Master's studies (Feb 2020)
- Winner of the student research paper competition (3 place, HSE, Dec 2020)

LANGUAGES

Russian (native) • English (IELTS 8.0) • German (DSD A2)

EXPERIENCE

HUMAN CENTERED COMPUTING SECTION AT UNIVERSITY OF COPENHAGEN

RESEARCH ASSISTANT

May 2021 - Present | Copenhagen, Denmark

As a research assistant, I work on two projects. The first is the analysis of topics and theories in HCI. The second is about the subjective significance of smartphone apps for the users and their experience with smartphones. All projects are supervised by Kasper Hornbæk.

MACHINE LEARNING AND SOCIAL COMPUTING RESEARCH GROUP AT HSE

JUNIOR MEMBER

Sep 2018 – Jun 2020 | St. Petersburg, Russia

- 2018 I was a part of a project on the exploration of peoples' behaviour in the virtual communities of practice.
- 2019-2020 I worked on a thesis, where I analyzed students' Self-Regulation and Learning Strategies in Virtual Learning Environments. Both projects were supervised by Ilya Musabirov.

LABORATORY OF SOCIOLOGY IN EDUCATION AND SCIENCE

INTERN RESEARCHER

Sep 2018 – Dec 2020 | St. Petersburg, Russia

I worked on various projects, where I conducted interviews and surveys and performed data analysis and visualization. The main topics were migration patterns, risk behaviour of adolescents and school choice. The work was supervised by Daniel Alexandrov.

TEACHING ASSISTANTSHIP

- APPLIED STATISTICS
- DATA DESIGN

Jan — May 2022 | IT University of Copenhagen

I conducted practical sessions and prepared programming materials for Applied Statistics Course. I curated a list of interactive visualizations and simulations to help students better understand key concepts from statistics. On Data Design course consulted students on visualization and creation of data-driven projects. I work on ways to provide formative feedback to support the formation of non-structured project skills.

- DATA SCIENCE MINOR (HEAD TA)
- AI AND BIG DATA COURSE
- INFORMATION SYSTEMS COURSE

Sep 2017 – Jun 2020 | Higher School of Economics

I consulted students and prepared supporting online learning material about different R packages, including video tutorials and programming exercises on the [Stepik platform](#).

BIOCAD BIOTECH COMPANY

JUNIOR DATA ANALYST

Jan — Apr 2020 | St.Petersburg, Russia

I created metrics with visualization formats using the BI system, collected and processed data from different databases developed data analysis algorithms on Python, MongoDB, and SQL.

YANDEX

CONTENT ASSESSOR

Jun — Sep 2019 | St.Petersburg, Russia

I improved the quality of the search engine by assessing the relevance of the results to the search query.

VOLUNTEERING

WOMEN DATA LEADERS IN RUSSIA

VOLUNTEER

Sep 2018 – Present | St. Petersburg, Russia

This project is supported by ACM KDD impact program and aimed to encourage girls to learn Data Science and STEM subjects both as their majors and an additional part of education. As a volunteer, I am working on an online-course about computational methods that can be applied in social sciences which are oriented on high school students.

INTERNATIONAL NETWORK OF ANALYTICAL SOCIOLOGY CONFERENCE VOLUNTEER

HSE 2019 | St.Petersburg, Russia

As a volunteer I selected the conference participants, structured the order of speeches and the breakdown of the participants into sections. Also I participated in the students poster session.

PUBLICATIONS & CONFERENCES

- **INVESTIGATING THE INFLUENCE OF USER'S PERSONALITY ON THE AMBIGUOUS EMOJI PERCEPTION**
The 2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics (workshop paper, published by ACL, reviewed)
- **LEARNING ANALYTICS OF CSO STUDENTS PROGRAMMING ERRORS: THE CASE OF DATA SCIENCE MINOR**
Academic Mindtrek 2020, Tampere, Finland (poster proposal, published by ACM, peer-reviewed)
- **NETWORK OF EXPETISE IN IT-COMMUNITY OF PRACTICE**
Digital Transformation and Global Society 2019, Russia (poster presentation)
- **THE ROLE OF DATA VISUALIZATION IN SCIENTIFIC COMMUNICATION. THE CASE OF PUBLISHING HOUSES**
Digital Transformation and Global Society 2019, Russia (poster presentation with A.Kuznetsova and V.Zakharova)
- **COMPARATIVE ANALYSIS OF THE LANGUAGE OF RUSSIAN RAP ARTISTS**
Digital Transformation and Global Society 2019, Russia (poster presentation with E.Marchenko)