

Vsevolod Suschevskiy

Resume for PhD Application

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Education

MSc Information Systems and Human-Computer Interaction HSE University (National Research University Higher School of Economics), Russia, 2020–2022
At HSE, I mostly focused on research-oriented courses and data science courses, and currently have a 8.0/10.0 GPA.

For my master's thesis I am preparing a conjoint experiment in R Shiny to explore the effect of different motivational types in interaction with social influence and geospatial information in Citizen Science project.

BSc Sociology and Social Informatics, minor in Data Science, HSE University (National Research University Higher School of Economics), Russia, 2017–2020
At HSE, I mostly focused on Analytical Sociology and Computational Social Science, courses in Information Systems, Social Network Analysis, Text Mining, and Agent-Based Modelling, scoring 7.99/10 GPA. I was at the top of my cohort at the Data Science minor.

I dedicated my BSc thesis to studying how scientists with different disciplinary backgrounds collaborate, building co-authors' publication profiles based on connections venues they published in.

Exchange term, Department of Information Science and Media Studies, University of Bergen, Norway, Aug–Dec 2019
I completed multiple courses in CS and Technology-Enhanced Learning (30 ECTS), including a master's level **Research Topics in Technology Enhanced Learning** with a project on design-based research of **Cognitive Tutor for Python course**, graded as Excellent. I also took an extra-curriculum 10 ECTS course **Knowledge Representation and Reasoning**, where I learned Prolog and theory behind Knowledge-based AI.
Was invited for an internship as a result.

Sociology, Immanuel Kant Baltic Federal University, Sep–Dec 2016
I enrolled on a state-funded place, but transferred after the first semester, as I wanted to specialize in Social Informatics and Computational Social Science.

Research and Professional Experience

Centre for the Science of Learning & Technology (SLATE) in University of Bergen, 2020–Present
Research intern, Supervisor: Dr. Mohammad Khalil
Create course recommendation system for exchange students (**CERES**)
Took several interviews with exchange students
Set up an experiment to test perception of different course recommendation algorithms by students
Co-authored a poster/paper for Learning Analytics and Knowledge 2021 conference
Did a statistical analysis of the classroom intervention using Mixed Models for clustering and SEM to explain connection between learner's motivation, app usage and learning outcomes.

Data Science minor at HSE University, Invited Lecturer, 2020–present
Prepared seminars on introduction to Data Science, created interactive tutor exercises.
Participated in learning design for transferring the course to online mode. Working on the tools to support team preference elicitation and matching and reflective prompts to support team self-regulation throughout the group project.

Core Analytics at VK (ВКонтакте), Research internship, Jul–Sep 2021
Population scale computational social science and SNA with the help of ego-graph models.
Validating Robin Dunbar's concepts of social circles on dyadic interactions, examining dynamics of social circles.
I proposed to study further perception of privacy at this social networking platform, since some groups of users have not completely filled circles, while others miss support clique.

Machine Learning and Social Computing Research and Study Group at HSE University, 2017–2018; 2019–2020
Junior member, Supervisor: Prof. A. Suvorova
My main Project was related to Social Network Analysis of eSports transfers with ERGMs (with I. Musabirov)
I also worked on tutorials for junior students on Bayesian network analysis and xAI and model interpretation for Data Science minor

HSE University, Teaching assistant, 2017–2020
Data Science minor (2018-2019), Lecturer: Prof. A. Suvorova
Developed and taught Tutorial on data visualization with ggplot2 and date-time data processing with lubridate.
Composed and assessed tests

Agent-Based Modeling (2018-2019, 2019-2020), Lecturer: I. Musabirov

Developed a set of exercises on different ways to define agent logics (probabilistic models, decision rules) and integrate decision theories (TPB, DBI, DBO, RL) into ABM framework, developed a module on Agent-based network models, curated NetLogo models collection for the course, held tutorials in Zoom and MS Teams

Extracurricular Schools & Courses

Summer Institute in Computational Social Science-London (University College London, June 2021
Online)

Launched survey on a crowdworking platform Mechanical Turk, and analysed results with post-stratification approach. Tried to build online experiment in Empirica virtual lab.

Lecturers: Joshua Becker et. al

ESSA-BEHAVE Summer School on Agent-Based Modeling (Online) Sep 2020

I completed an Advanced track (3ECTS, Graduate level) with a focus on theory development and empirical research with ABM, agent-based network models, calibration and validation of ABM. School director: Prof. F. Squazzoni (University of Milan)

IPSA – HSE Summer School for Methods of Political & Social Research (Online) Aug 2021

I finished course on Experimental Methods in the Social Science, and wrote a proposal for a field experiment, combining social influence and social circles.

Lecturers: Dr. Israel Marques II

SNA CONNECT 2021 on Dynamic Network Actor Models (Online) May 2021

I learned how to use new parameters in DyNAMs to model time windows and changes in the nodes attributes.

Lecturers: Christoph Stadtfeld and Alvaro Uzaheta

Social Simulation Conference (Stockholm, Sweden) Aug 2018

Using theories on human decision-making in ABMs

Networks in the Global World 2018 (St.Petersburg, Russia) July 2018

Estimating dynamic network actor models (DyNAMs) with the goldfish software

XXXVIII Sunbelt Conference, (Utrecht, Netherlands) June 2018

Introduction to ERGMs using statnet

Introduction to Reinforcement Learning in Python, Coursera Project Network Jan 2021

Experimental Design Basics, Arizona State University, Coursera Jan 2021

Computer Simulations, University of California, Coursera Aug 2020

Social and Economic Networks: Models and Analysis, Stanford University, Coursera Dec 2019

Model Thinking, University of Michigan, Coursera Oct 2019

Conference Publications & Presentations

- [1] Creating a Course Recommendation System for Exchange Students
Vsevolod Suschevskiy, Mohammad Khalil
Companion Proceedings 11th International Conference on Learning Analytics & Knowledge (LAK21), 2021
- [2] Teaching Undergraduate Sociologists Modeling and Computational Thinking
Ilya Musabirov, Vsevolod Suschevskiy
Proceedings of the 51st ACM Technical Symposium on Computer Science Education, 2020. DOI: [10.1145/3328778.3372687](https://doi.org/10.1145/3328778.3372687)
- [3] Analysis of Players Transfers in Esports. The Case of Dota 2
Ekaterina Marchenko, Vsevolod Suschevskiy
Proceedings of the 22nd International Academic Mindtrek Conference, 2018. DOI: [10.1145/3275116.3275151](https://doi.org/10.1145/3275116.3275151)
- [4] Network Analysis of Players Transfers in eSports: The Case of Dota 2
Vsevolod Suschevskiy, Ekaterina Marchenko
Digital Transformation and Global Society, 2018. DOI: [10.1007/978-3-030-02843-5_38](https://doi.org/10.1007/978-3-030-02843-5_38)
- [5] Agent-Based Modeling of Transfers Between Teams in Esports
Vsevolod Suschevskiy, Ilya Musabirov
Virtual Sunbelt, Virtual poster, <http://www.pfeffer.at/sunbelt/talks/1092.html>, 2020
- [6] Network Analysis of Global Transfers in Dota 2

Vsevolod Suschevskiy, Ilya Musabirov, Denis Buligin, Ekaterina Marchenko
5th International Conference on Computational Social Science, Amsterdam, Netherlands, Poster, <https://2019.ic2s2.org/posters/>, 2019

- [7] Network Analysis of Players Transfers in eSports. The case of Dota 2
Vsevolod Suschevskiy, Ekaterina Marchenko
XXXVIII SUNBELT Conference of the International Network for Social Network Analysis, Utrecht, Netherlands, Poster <https://sunbelt.sites.uu.nl/>, 2018

Scholarships and Awards

State-funded place at MSc programme Information Systems and Human-Computer Interaction, ranked 1st out of 92 at admission, HSE University

Exchange Scholarship in the framework of Capacity Building in Technology Enhanced Learning Project, University of Bergen

Travel grant for presenting poster at The 51st ACM Technical Symposium on Computer Science Education March 11-14, 2020, Portland, OR, USA, HSE University

Travel grant for presenting poster at 5th International Conference on Computational Social Science July 17-20, 2019, University of Amsterdam, The Netherlands, HSE University

50% tuition fee scholarship for the top of a cohort by GPA, HSE University

Volunteer Experience

Women Data Leaders in Russia, Co-ambassador

2018–2020

Organization of poster section at the Women in Data Science at HSE conference

Interview with Jana Diesner and Milena Tsvetkova

Edited interviews for [YouTube channel](#) to encourage more people in Data Science

Computer skills

Data analysis: R (**tidyverse**, igraph, rvest, bnlearn, ERGM); Python (pandas, pyspark, networkx);

Machine Learning: R (**tidymodels**, rpart, LDA, stm); Python (Tensorflow, gensim);

Visualization: R (ggplot2, visNetwork, plotly, shinydashboard), Tableau;

Interactive web apps: **R shiny**

Data bases: SQL – ClickHouse, noSQL – Elasticsearch;

System administration: Linux (Ubuntu), [Github](#);

Desktop publishing: \LaTeX ;

Other: **NetLogo** (Agent-Based Modeling), Prolog (First-order logic, Knowledge representation);

Media editing: Adobe Premiere Pro, Adobe After Effects, Adobe Photoshop, Open Broadcast Software;

Languages

Mother tongue: **Russian**

Other Languages: **English** – C1 (7.5), (IELTS, Dec 2019; IELTS, Nov 2021), **Esperanto** – studying for fun