Aleksandra Butneva

Curriculum Vitae

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Academic Career

since 08/2018	**Bachelor of Arts in Political Science**, *University of Mannheim*, Germany, expected grade: A (German 1.2) Minor subject: Economics
06–07/2019	**Seoul International Summer School 2019**, *University of Seoul*, South Korea, A (German 1.1) Courses: International Political Economy, Korean language, culture, and society.
09/2017–07/2018	**Entrance qualification for German universities**, Marburg, Germany, A (German 1.0) Examined in humanities, German literature, and language
06/2017	**A-Levels**, Moscow, Russia, A (German 1.0) High school with an intensive German language program

Professional Experience

since 10/2020	**Data Science Advisory for Prof. Vera Tröger** Consulted Prof. Tröger on issues related to web scraping with R and Python
since 06/2020	**Research Assistant**, *Mannheim Centre for European Social Research (MZES)*, Mannheim, Germany - Participated in the Corona Studies - Collected data on political awareness
since 01/2020	**Research Assistant**, *Chair of Quantitative Methods in the Social Sciences and at the Collaborative Research Centre "Political Economy of Reforms"*, Mannheim, Germany - Conducted quantitative text analysis in R - Developed topic models for Prof. Thomas Gschwend and Dr. Benjamin Engst
since 10/2019	**Invited Young Scholar**, *Financial University under the Government of the Russian Federation and Kazan Innovative University*, (online offer) - Co-authored articles in the Innovation Management and Telemedicine areas - Developed an NLP-implementation based on SpaCy and Stanza in Python The program enables better processing of academic Russian language in Python by solving definition and classification problems for telemedical services.
10/2019 – 1/2021	**Teaching Assistant**, *Chair of Quantitative Methods in the Social Sciences*, Mannheim, Germany - Taught classes in Research Design & Methods (online and in person) - Designed lesson plans, prepared materials, and graded exams.

Internships

08/2018	**Intern at the Department for Urban, Regional, and Economic Development**, *City Administration led by Dr. Stefan Blümling*, Marburg, Germany - Collected data on economic activities - Designed flyers for the city advertising campaign - Designed PowerPoint presentations for official events
02/2018	**Intern at the Support and Consulting Center for refugees without prior German knowledge**, *Ministry for Education and Culture (Hessen)*, Marburg, Germany Taught German language classes for refugees of school-age at German primary schools, the lower secondary level, and vocational/professional schools

Scholarships and Grants

since 05/2017	**German Academic Exchange Service (DAAD) Study Scholarship for the best graduates of German Schools abroad** Awarded with one of four exclusive scholarships for the pursuit of a Bachelor degree in Germany
08/2020-08/2021	**Scholarship of the European Forum Alpbach (EFA) – an Interdisciplinary Platform for Science, Politics, Business, and Culture** Discussant & Speaker of the EFA's 75th online conference 2020

2020-2021	**One-year scholarship including free membership in The Society for Political Methodology**
06/2017	**Presidential Grant for outstanding academic performance and winner of the German language competition in Russia**

Publications

Butneva, A., Gumerova, G., Shaimieva, E. (2020). Studying the formation of e-health on the basis of e-health Industry 4.0: applying the experience for Russian e-health. Is there an opportunity window for the innovation-guided process integration of e-health in Russia? [English] *International Research Journal, 9-1 (99)*. doi: 10.23670/IRJ.2020.99.9.027

Gumerova, G., Shaimieva, E., Butneva, A. (2020). Enhancing information communication indicators for the development of Russian electronic business model in the e-health system based on process integration in the Industry 4.0. [Russian] *Investitions in Russia, 9(308)*, 8-18. ISSN: 0868-5711

Gumerova, G., Shaimieva, E., Butneva, A. (2020). Deriving indicators of information communication for the development of Russian e-health business model building on process integration in the Industry 4.0. [Russian] *Economic Vector, 3(22)*, 30-38. ISSN: 2411-7269

Gumerova, G., Shaimieva, E., Butneva, A., Rafikova, N. (2020). Waste collection and recycling as cities' social problem. development of social policy based on changes in social mechanisms and use of digital technologies.[Russian] *Public Administration E-Journal, 81*, 233-259. doi: 10.24411/2070-1381-2019-10087

Gumerova, G., Shaimieva, E., Butneva, A. (2020, February 18-19). Is Russia ready for Industry 4.0? Perspectives of long-term integration of e-health in the Russian Federation considering German experience. [Paper presentation]. [Russian]. *In: Modern Approaches to the Transformation of Concepts of State Administration and Management in Socio-Economic Systems.* 9-th International Scientific-Practical Conference (Russia), Kursk (pp. 139-141). ISBN: 978-5-9907948-3-2

Patents

Butneva, A., Gumerova, G., Hüsig, S., Schewe, G., Shaimieva, E. *Python-based NLP Classifier of medical services in the field of e-health to optimize the interaction among participants of the e-health model. Patent certificate # 2020667510, issued by the Russian Federal Patenting Service on 24/12/2020.*

Work in Progress

Gumerova, G., Shaimieva, E., Butneva, A. (forthcoming 2021). *A Business Model Of Russian E-Health Based On Process Integration Of Industry 4.0: The Development Of Indicators For Information Communication.* [English], accepted for publication in The Academy Of Strategic Management Journal

Shaimieva, E., Gumerova, G., Hüsig, S., Schewe, G., Butneva, A. (forthcoming 2021). *Intellectual Property As a Driver Of International Scholarly Cooperation.* [Russian], under review of The Journal Of Higher Education In Russia

Extracurricular Activities

since 2020	**Board Member**, *CorrelAid: An Independent and Inclusive Non-Partisan Network of Data Scientists*, Mannheim and Heidelberg, Germany Conducted interactive visualisation of regional data with R and Python
since 2019	**Volunteer**, *The German Red Cross*, Department of Migration and Integration, Mannheim, Germany Organised German language tutorials and integration workshops for refugees
since 2018	**Mentor**, *the DAAD Mentoring Program "German schools abroad"*, Baden-Württemberg area, Germany - Mentored newly arrived scholarship holders - Developed online-platforms for social networking and intercultural exchange

Conference Participation & Talks (selection)

07/2020	**Annual Meeting of the Society for Political Methodology (PolMeth XXXVII)**, Attendee
08/10–12/10/2019	**International Conference "Responsibility in Science, Economics, and Culture"**, *Embassy of Germany in cooperation with Hallo Deutschland e.V*, Moscow, Russia Held a presentation on startup development guidelines for 2030
10/02/2019	**Workshop "Rhetorical and presentation techniques"**, Mannheim, Germany Received a professional training in rhetoric and practiced presentation skills
04/05–06/05/2018	**The German Academic Exchange Service (DAAD) Scholarship Holders' Official Meeting "Migration – Societies in Transition"**, *the DAAD in cooperation with the University of Osnabrück*, Osnabrück, Germany

12/2017	**Workshop "Introduction to broadcasting" by Radio-Unerhört**, Marburg, Germany Produced and co-moderated a radio program about international students in Germany
2014–2017	**International German-language debating contest "Jugend debattiert international"**, Moscow, Russia - Co-organised moderation & rhetoric trainings in Moscow and held workshops for future debaters - Worked as a jury member
08/06–12/06/2016	**Bilateral Conference "10 Years of the Coordination Office"**, Moscow, Russia Co-organised the conference and worked as a volunteer and interpreter for international guests
05/2016	**Joint seminar for the winners of national debating tournaments from Ukraine and Russia**, *Jugend debattiert international*, Berlin, Germany Awarded with a participation scholarship as a winner of Russian final debating rounds

Computer skills

Data Analysis	Proficiency in R: NLP, Survival Analysis, Advanced Quantitative Text Analysis Advanced knowledge of STATA
Programming	Python and Git: Web Scraping, Management of Databases and Servers, SQL, Geocoding
Document Preparation	LaTeX, Microsoft Office Suite

Languages

Russian	native speaker
English	fluent
German	fluent
Korean	basic

References

Prof. Thomas Gschwend
Chair of Political Science, Quantitative Methods in the Social Sciences at the University of Mannheim (Germany)
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Dr. Sean Carey
Researcher and lecturer at the Chair of Political Science, Quantitative Methods in the Social Sciences at the University of Mannheim (Germany)
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Prof. Thomas Bräuninger
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