May 2021

CURRICULUM VITAE



Gina Glock

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EDUCATION AND ACADEMIC CAREER

Since 04/2020	**Dresden University of Technology, PhD in Sociology of Work, Germany** Doctoral student in the Department of Sociology, Faculty of Philosophy Scholarship Holder at Schaufler Kolleg@TU Dresden Dissertation project (working title): "Work in Times of Disruptive Technologies: Effects of Artificial Intelligence on Job Autonomy in the German Service Sector" Supervision: Prof. Dr. Antonia Kupfer, Chair of Macrosociology, TU Dresden | Prof. Dr. Sabine Pfeiffer, Chair of Sociology with a focus on Technology - Work - Society, Friedrich-Alexander University Erlangen–Nürnberg
04/2014 – 09/2016	**Free University of Berlin, M.Sc. Public Economics, Germany** Areas of focus: Labor economics, labor market policy, taxation and social policy Thesis: "Job Polarization in the US and Germany: Technology-Based, but Human Capital Driven?" Supervision: Prof. Dr. Julia Püschel, Assistant Professor in the Department of Economics, John F. Kennedy Institute for North American Studies
10/2009 – 09/2013	**Dresden University of Technology, B.Sc. Industrial Engineering and Management, Germany** Areas of focus: Financial Economics and Global Markets, Production Systems Thesis: "Export Sophistication and Export Growth in China" Supervision: Prof. Dr. Alexander Kemnitz, Chair of Economics, esp. Economic Policy and Economic Research
09/2011 – 01/2012	**Università Ca' Foscari di Venezia, Italy** Erasmus Exchange Semester at the Department of Economics Areas of focus: Labor Economics, Industrial Organization, Game Theory

PROFESSIONAL EXPERIENCE

11/2017 – 06/2020	**VDI/VDE Innovation + Technik GmbH / Institute for Innovation and Technology (iit), Berlin**
	Research consultant in the Department of Demography, Clusters and Futures Studies
	▪ Head of the project "QuaTOQ – Quality of work, employment and employability with regard to technology, organization and qualification" funded by the Federal Ministry of Labour and Social Affairs (BMAS)
	▪ Scientific assistance in the research projects (selected):
	  ▪ "Work 4.0 - How do Saxon companies shape (good) digital labor?" funded by the Saxon State Ministry for Economic Affairs, Labour and Transport (SMWA)
	  ▪ "Impact of the introduction of autonomous driving on public transport employment." funded by the Saxon State Ministry for Economic Affairs, Labour and Transport (SMWA)
	▪ Scientific consultant for the research programme "Bringing technology to the people" on human-machine interaction of the Federal Ministry of Education and Research (BMBF)

06/2014 – 09/2017	**Commission of Experts for Research and Innovation (EFI), Berlin** Freelancer and student assistant at the Berlin office of the EFI

RECENT PUBLICATIONS (selected)

Glock, G., Peters, R., Bovenschulte, M., Goluchowicz, K., Strach, H., & Apt, W. (2021, in publication). Quality of work, employment and employability with regard to technology, organization and qualification (QuaTOQ): Project Final Report. Berlin: Federal Ministry of Labour and Social Affairs (BMAS).

Lutze, M., & Glock, G. (2020). Artificial intelligence in care: a responsible task. Berlin: Berlin Care Conference.

Glock, G., Goluchowicz, K., Peters, R., Strach, H., Bovenschulte, M., & Apt, W. (2020). Quality of work, employment and employability with regard to technology, organization and qualification (QuaTOQ). Sector Report: Publishing and media industry (Research report 522/7). Berlin: Federal Ministry of Labour and Social Affairs (BMAS).

Detailed CV: Schaufler Kolleg@TU Dresden

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MOTIVATION & INTEREST IN AI

Work and digitalization are my profession and my passion. For about five years, I have been working on the possible effects of technological change on employment and working conditions. In the current discourse, the potential and effects of the use of AI in the context of work are being debated in particular. What influence the use of AI-based systems has on employees and their working conditions has so far remained largely unanswered. This is exactly where my research interest lies: Within my dissertation project, I would like to investigate what impact the use of AI can have on the autonomy of employees. I understand job autonomy to be a significant criterion for the quality of work, which describes, for example, the degree of freedom in terms of content, method, or time in the workplace.

The analysis of the effects of AI on job autonomy forms the core of my dissertation project. In doing so, I combine my study background in economics and engineering with sociology of work. The discourse to date points to contradictory findings on the interaction of AI and work autonomy: On the one hand, the increasing automation of activities can have a work-distorting effect and thus increase work autonomy. On the other hand, AI can be used for algorithm-based monitoring of employees, which can potentially reduce work autonomy.

Due to the complexity of the topic of AI, interdisciplinary exchange with researchers seems particularly important to me and I would be happy to carry this out in an international context. Beyond my dissertation topic, I am interested in the impact of AI on employment (esp. service sector) and working conditions, but also the methodological approach to the topic such as the measurability of the use of AI or working definitions of AI from other disciplines.