Gina Markov
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**Contact Information:**

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**Description of Courses:**

I am in the third year of my economics PhD program at Columbia University, where I am on the Business Economics track. My official fields are Business Economics, Labor Economics, and Industrial Organization, and I have also taken courses in mechanism design, political economy, and organizational economics.

**Description of Research Interests:**

I am interested broadly in the causes and consequences of labor market power—particularly through the lens of information frictions and technology adoption. I combine methods from industrial organization and applied microeconomics to understand inequalities in the labor market ranging from wage markdowns to discrimination and misallocation. One project of mine estimates a dynamic search model in the labor market context to quantify firms' wage setting power, with plans to use online job search platform data in the future. More recently, I've begun several projects studying the effect of the adoption of new technologies like AI on labor market outcomes. One project studies firms' incentives to adopt these new technologies through the lens of a bargaining model between workers and employers, considering trade-offs between efficiency and intra-firm bargaining power. This project also seeks to understand how technologies like AI are able to replace forms of labor that weren't previously able to be codified, considering downstream labor market outcomes of this transformation including wages, employment, and occupational shifts. Another related project of mine considers the informational asymmetry about new technologies between workers and employers, and how this asymmetry can intensify labor market power. In particular, do workers understand how these technologies are being deployed in the workplace (i.e. data collection, monitoring, automated decision making, etc.) In what ways do workers facilitate the training of these systems, and how crucial is their understanding and input into AI/ML technologies for the success of these technologies? I believe that studying the effects of AI and other digital transformations on the

workplace are critical for our understanding of future labor market transitions, sources of inequality, and labor market power.

**Dissertation Information:**

I am not at the dissertation stage as of yet, but my prospective committee members include Laura Doval, Pietro Tebaldi, Suresh Naidu, and Chirs Moser.