Andrey Minaev

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EDUCATION

Ph.D. in Economics, The University of North Carolina at Chapel Hill, USA	Aug 2015 – May 2021 (Expect.)
M.A. in Economics, New Economic School, Russia	Sep 2013 – Jun 2015
M.Sc. in Math and Computer Science, Moscow Institute of Physics and Technology, Russia	Sep 2009 – Jun 2011
B.Sc. in Math and Physics, Moscow Institute of Physics and Technology, Russia	Sep 2005 – Jun 2009

RESEARCH EXPERIENCE

Ph.D. Candidate, The University of North Carolina at Chapel Hill — Aug 2015 – Present
· Built game-theoretical models of studied concepts
· Identified and collected appropriate data to test the hypotheses
· Applied statistician and econometric methods to data using R programming language
· Regularly presented results at conferences and research seminars

Research Assistant for Yunzhi Hu, UNC Kenan-Flagler Business School — Jun 2018 – Jan 2019
· Co-designed and solved the model of Bank Lending, Covenants and Investment Control
· Illustrated the model by the computational exercise coded using Wolfram Mathematica

Research Assistant for Jonathan W Williams, The University of North Carolina at Chapel Hill — Jul 2017 – Dec 2017
· Scraped from the web and cleaned data using R. Merged several databases

Research Assistant for Ruben Enikolopov, New Economic School — Jan 2014 – Jun 2014
· Using Python, built the script scraping data by mimicking human internet users' actions
· Used text analysis techniques to estimate Facebook users emotions in their posts

WORKING EXPERIENCE

Teaching Fellow, The University of North Carolina at Chapel Hill — Aug 2017 – Present
· Teaching Intermediate Microeconomics and Statistics (10 semesters in total)
· Conduct lectures for a hundred students
· Developed lecture materials emphasizing basic theories in microeconomics
· Adapted the presenting of economic concepts for easy understanding by non-econ majors

CEO, Air conditioners online store — Nov 2010 – Oct 2012
· Built and implemented company development strategy. Raised annual revenue from $0 to $300,000
· Organized all company's business processes, including procurement, advertising, sales, and distribution
· Managed a team of four employees and several freelancers
· Participated in government and corporate procurement contracts. Made deals for $100,000

Business Management Analyst, SBS Management Consulting — Sep 2009 – Nov 2010
· Built business process map of the textile factory with 100 workers
· Conducted research of textile market helping to tailor the factory market strategy
· Regularly presented the results to clients and other team members

Marketing Intern, Microsoft — Jun 2008 – Sep 2008
· Conducted market research of Microsoft Healthcare potential customers needs
· Helped to organize the conference for hospitals administrators

RESEARCH PAPERS

Consumer Data and Consumer Welfare: Evidence from the Hotel Booking Market
· Found that consumers lose on average 2% utility if platforms as Amazon and Expedia uses consumer personal data for product targeting
· Built a novel method of demand estimation that decreases computational problem intensity factorially using recent theoretical findings
· Estimated model parameters by MLE method using R. Simulated firms pricing competition by numerical parallel computations

Markets with Search Frictions and Partially Informed Intermediary
· Built a model of optimal consumer search on product targeting platforms like Amazon and Google
· Found that better platform's information about consumers preferences might lead to a worse consumer-product match

Firms Entrance and Market Power. The Case of Ranking Platforms with Ordered Consumer Search
· Showed by a game-theoretic model, that new seller entrance on the Amazon platform might increase the market price.

SKILLS

Python, R, Wolfram Mathematica, Stata, SQL, Git, LaTeX, Bash, Unix , Excel VBA, Power Point
Auctions, Demand Estimation, Demand with Search Frictions, Hypothesis Testing, A/B Testing, Text Analysis
MLE, GMM, Regression Analysis, Lasso, Ridge, Regression and Classification Trees, Random Forest, K-means Clustering