

Connor R. Forsythe

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

August 2018-Present

College of Engineering

Ph.D. in Mechanical Engineering

Advisors: Jeremy Michalek, Kate Whitefoot

QPA: 3.80

The George Washington University, Washington, DC

August 2014-May 2018

School of Engineering and Applied Science

B.S. in Systems Engineering

GPA: 3.97

Honors: Graduated summa Cum laude

SKILLS

- Computer Skills
 - Proficient in programming: Python, MATLAB, Stata, R, Julia
 - Proficient in Microsoft Office, iWork, G Suite

RESEARCH EXPERIENCE

Carnegie Mellon University:

Vehicle Electrification Group – Jeremy Michalek,

August 2018-Present

Whitefoot Research Group – Kate Whitefoot

Graduate Research Assistant

- Working with a research team to better understand the policy-related impacts of extended vehicle life on vehicle usage behaviors, US consumer electric preferences over time, and Transportation Network Company (TNC)-related policy impacts leveraging econometric identification techniques.

The George Washington University:

SzajnLab - Zoe Szajnfarter, Gralla Lab – Erica Gralla

January 2017-May 2018

Undergraduate Research Assistant

- Worked with a research team to further understand the relationship between product architecture and design team architecture.
- Created data collection and analysis tools as well as collected and analyzed data to find communication patterns present in concurrent design teams.

TEACHING EXPERIENCE

Carnegie Mellon University:

Graduate Teaching Assistant for Engineering Optimization

Spring 2020-Fall 2020

- Held office hours, helped in construction as well as preparation of teaching materials, and lectured on various nonlinear programming topics and relevant implementation methodologies.

The George Washington University:

Undergraduate Teaching Assistant for Systems Thinking and Policy Making

Fall 2017

- Participated in a teaching team that taught students the fundamentals of systems thinking as well as methods and software necessary to implement systems dynamics models.

RESEARCH WORKS

Conference Publications

Forsythe, C., Joseph, N., Szajnfarter, Z., & Gralla, E. (2019). Visualizing Communication Patterns in Design Teams Over Time. In *Systems Engineering in Context* (pp. 449–461). Springer International Publishing. https://doi.org/10.1007/978-3-030-00114-8_37

Works in Progress

Forsythe, C. R., Jha, A., Michalek, J., & Whitefoot, K. (2022). *Externalities of Policy-Induced Scrappage: The Case of Automotive Regulations*. NBER Working Paper.
<https://doi.org/10.3386/w30546>

Forsythe, C. R., Gillingham, K. T., Michalek, J. J., & Whitefoot, K. S. (2022). *Driving Electric Vehicle Adoption: The Role of Technology and Consumer Preferences*.

Forsythe, C. R., Gillingham, K. T., Michalek, J. J., & Whitefoot, K. S. (2022). *Will Pickup Truck Owners Go Electric?*

Forsythe, C. R., Harper, C. D., & Michalek, J. J., (2022). *Bringing Home the Bacon: Estimating Willingness to Pay for Autonomous Grocery Delivery Across US Households*

Bruchon, M. B., **Forsythe, C. R.,** & Michalek, J. J. (2022). *Should Ridesourcing Services Pool More Ride?*

Koling, A., Armanios, D., Michalek, J. J., **Forsythe, C. R.,** & Jha, A. (2022). *Ride-Sharing the Wealth – Effects of Uber and Lyft on Jobs, Wages and Economic Growth*.

Bruchon, M. B., **Forsythe, C. R.,** Andreasan, C., Whitefoot, K. S., & Michalek, J. J. (2022). *Does Congestion Pricing for Uber and Lyft Work? Effects of Chicago's Downtown Zone Surcharge*.