

SÉBASTIEN MARTIN

SEPT 2020 – MORE INFORMATION AVAILABLE ON MY WEBSITE

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PUBLICATIONS

Interface of **optimization, analytics, transportation and policy.**

ACADEMIC APPOINTMENTS

2020-Present | **Kellogg School of Management**, Northwestern University, Evanston, IL, USA
Donald P. Jacobs Scholar, Operations

EDUCATION

2014-2019 | **PhD of Operations Research**, Massachusetts Institute of Technology, Cambridge, MA

2011 - 2015 | **BSc / MSc in Applied Mathematics**, Ecole Polytechnique, Paris, France

PUBLICATIONS

D. Bertsimas, A. Delarue, W. Eger, J. Hanlon, S. Martin *Bus Routing Optimization Helps Boston Public Schools Design Better Policies* (2020) **INFORMS Journal of Applied Analytics** 50(1):37-49

D. Bertsimas, A. Delarue, S. Martin (2020), From School Buses to Start Times: Driving Policy with Optimization. *Proceedings of the National Academy of Science (PNAS)*.

D. Bertsimas, P. Jaillet, S. Martin (2019), Online Vehicle Routing: The Edge of Optimization in Large-Scale Applications. *Operations Research*.

D. Bertsimas, A. Delarue, P. Jaillet, S. Martin (2019), Travel Time Estimation in the Age of Big Data. *Operations Research*.

J. Reilly, S. Martin, M. Payer, A. Bayen (2016), Creating complex congestion patterns via multi-objective optimal freeway traffic control with application to cyber-security. *Transportation Research Part B*, 91, 366-382.

PROFESSIONAL EXPERIENCE

2019-20 | Lyft, New York, *Post-doctoral Fellow at Marketplace Labs*

2016 | Google, Mountain View, CA. *Software Engineering Intern*

SELECTED MEDIA COVERAGE

2018 | The Boston Globe, [The Equity Machine](#), Sept 20, 2018.

2017 | The Wall Street Journal, [How Do You Fix a School-Bus Problem? Call MIT](#), Aug 11, 2017.

SELECTED HONORS

2019 | George B. Dantzig Dissertation Award

TSL Dissertation Prize

Franz Edelman Award finalist