NICHOLAS REINICKE

Nicholas.Reinicke@nrel.gov

EDUCATION

MS University of Illinois, Computer Science 2019

BS University of Wyoming, Architectural Engineering 2014

EXPERIENCE

National Renewable Energy Laboratory, Golden, CO 2018-
Research Software Engineer, Center for Integrated Mobility Science

ME Engineers, Golden, CO 2014-2017
Mechanical Project Engineer

OPEN SOURCE PROJECTS

RouteE-Compass
Energy-aware routing engine: https://github.com/NREL/routee-compass

RouteE-Powertrain
Vehicle energy prediction engine: https://github.com/NREL/routee-powertrain

Hive
Mobility services research platform: https://github.com/NREL/hive

Mappymatch
Pure-python package for map matching: https://github.com/NREL/mappymatch

PUBLICATIONS

Technical Publications

Fitzgerald, Robert, Reinicke, Nicholas, & Moniot, Matthew. *The Highly Integrated Vehicle Ecosystem (HIVE): A Platform for Managing the Operations of On-Demand Vehicle Fleets*. United States. https://doi.org/10.2172/1821629

Reinicke, Nicholas, Borlaug, Brennan, & Moniot, Matt. *Changes in When and Where People are Spending Time in Response to COVID-19*. United States. https://doi.org/10.2172/1808276

Journal Articles

Holden, Jacob, Reinicke, Nicholas, & Cappellucci, Jeffrey. *RouteE: A Vehicle Energy Consumption Prediction Engine*. United States. https://doi.org/10.4271/2020-01-0939

Conference Papers

Duvall, Andy, Moniot, Matt, Zhong, Gary, Borlaug, Brennan, Wilson, Alana, Reinicke, Nicholas, Sun, Bingrong, Perr-Sauer, Jordan, Jeong, Kyungsoo, & Young, Stanley. *Mobility Behavior During COVID-19 Pandemic Revealed Through Data*. United States.

Moniot, Matthew, Ge, Yanbo, Reinicke, Nicholas, & Schroeder, Alex. *Understanding the Charging Flexibility of Shared Automated Electric Vehicle Fleets*. United States. https://doi.org/10.4271/2020-01-0941

Song, Yuanpei, Cosgrove, David, Jehlik, Forrest, Demingo, Alvaro, Lustbader, Jason, Wood, Eric, O'Keefe, Michael, Reinicke, Nicholas, & Mosbacher, Jeff. *Real-World Evaluation of National Energy Efficiency Potential of Cold Storage Evaporator Technology in the Context of Engine Start-Stop Systems*. United States. https://doi.org/10.4271/2020-01-1252