

CONTACT 1.970.219.5999 | bparthum@gmail.com | www.bryanparthum.com

OVERVIEW I am a driven, self-motivated, and experienced researcher and entrepreneur with a demonstrated history of innovation and advancement. As an applied microeconomist, I have an expertise in consumer demand and the human-environment relationship. I employ both structural and reduced-form modeling, coupled with high-frequency big data methods. U.S. citizen.

FIELDS Environmental Economics and Econometrics, Climate, Sustainability

EDUCATION	Ph.D., Economics	2020
	University of Illinois at Urbana-Champaign, IL	
	M.S., Economics	2015
	University of Illinois at Urbana-Champaign, IL	
	B.S., Economics	2013
	Colorado State University, Fort Collins, CO	

EXPERIENCE	Economist	
	US Environmental Protection Agency	2020-present
	Washington, DC	

- Ensure the use of sound economic analysis in decision making by providing economic support to and on behalf of the Agency
- Develop, write, and coordinate execution of large government contracts (\$30k-\$750k) with many subcontractors
- Supervise fellows and research assistance to carryout multi-year research projects

Owner and Founder

	Parthum Construction	2005-present
	Fraser, CO	

- Design and build high-end residential remodels
- Manage and allocate large remodel budgets (\$15k-\$1mil)
- Supervise 1-4 employees and 1-12 contractors
- Coordinate with building departments, engineers, banks, suppliers, contractors, and customers to set and execute project schedules

Research Economist

	Big Data in Environmental Economics and Policy	2017-2020
	University of Illinois Urbana-Champaign, IL	

- Bridge economics with computer science
- Leverage advances in continuous data acquisition, high-performance computing, and machine learning
- Collaborate with and supervise 12 computer scientists to develop big data infrastructure

PROGRAMMING • , , , , , , , 

LANGUAGES • English (native), American Sign Language (fluent)

SELECTED
PUBLICATIONS

1. *The social cost of carbon, methane, and nitrous oxide*
2. *Advances in estimating future climate impacts within the United States*
3. *The social costs of hydrofluorocarbons*
4. *Comprehensive evidence implies a higher social cost of carbon*
5. *Modeling winter recreation patterns under current and future climate*
6. *Phasing down production and consumption of hydrofluorocarbons*
7. *Quantifying benefits of nutrient reductions in freshwater streams*
8. *Estimating the benefits of stormwater management*

REFERENCES Available upon request