

Jonah M. Greene

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Denver, CO | United States

Education

Master of Science in Mechanical Engineering

Colorado State University | July 2019 | GPA: 3.55

Thesis: "Techno-Economic and Life Cycle Assessment of a Novel Offshore Macroalgae Biorefinery"

Bachelor of Science in Mechanical Engineering

Colorado State University | May 2018 | GPA: 3.68

Senior Design: ASME Human Powered Vehicle Challenge

International Baccalaureate Diploma

Poudre High School | May 2012 | GPA: 4.0

Experience

Chief Technical Officer

Sustainability Science LLC | Fort Collins, CO | August 2019 – Present

Research Scientist

Colorado State University | Fort Collins, CO | July 2019 – Present

Funded Research

"Integrating an Industrial Source and Commercial Algae Farm with Innovative CO₂ Transfer Membrane and Improved Strain Technologies: Techno-Economic Analysis and Life Cycle Assessment"

CSU | NREL | DOE | Qualitas Health

"Techno-Economic and Market Analysis of Greenhouse Hemp Production in Durango, CO"

Sustainability Science LLC | Southern Ute Indian Tribe

"Evaluation of an Integrated Micro-Utility Concept for Developing Countries using Techno-Economic Analysis"

Sustainability Science LLC | Factor[e] Ventures | WASE | Sistema.Bio

"Platte River Power Authority: Life Cycle Assessment of Current and Planned Energy Generation Assets"

CSU | Platte River Power Authority

"Techno-Economic Analysis and Life Cycle Assessment of the Nautical Offshore Macroalgal Autonomous Device"

CSU | PNNL | OSU | ARPA-e | DOE

Software & Skills

Software:

Microsoft Excel, Excel Visual Basic, OpenLCA, Ecoinvent, Argonne National Lab GREET, MATLAB, MathCAD, NI LabVIEW, SolidWorks, PTC Creo Parametric 4.0, Minitab, Cura, ANSYS Workbench (CFD and FEA), PIC Basic Pro, Fritzing, Simulink, Mastercam, Helius Composite

Manufacturing:

Manufacture of Tools and Molds, Additive Manufacturing, Soldering, Circuit Diagnostics, Vertical Milling Machine, CNC, Lathe, Simple Composites Fabrication (Wet Layup, Prepreg, Resin Infusion and Matched Mold Processes)

References (More Available on Request)

Dr. Jason Quinn | CSU | Graduate Advisor & CEO of Sustainability Science

Email: Jason.Quinn@colostate.edu

Phone: (970) 581-7992

Dr. Michael Huesemann | PNNL | NOMAD Project PI

Email: Michael.Huesemann@pnnl.gov

Phone: (360) 681-3618

Dr. John Petro | CSU | Undergraduate Professor

Email: John.Petro@colostate.edu

Phone: (970) 491-8340