

# Steven Tulevech

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## EDUCATION

**University of North Carolina at Chapel Hill**---- Chapel Hill, NC Graduation May 2019  
B.S. Environmental Science, Quantitative Energy Systems Track.  
Minor in Computer Science. Minor in Statistics and Analytics. GPA 3.81.

Coursework: Energy Modeling and Analytics, Energy and Buildings, Energy Technologies, Energy Transportation and Land Use, Energy Trends, Environmental Chemistry, Life Cycle Assessment, Environment and Society, Advanced GIS.

**King Mongkut's University of Technology**---- Bangkok, Thailand Jan – July 2017  
International Student, Joint Graduate School of Energy and Environment.  
Completed capstone research and internship in Energy Management.

**North Carolina School of Science and Mathematics**---- Durham, NC Graduated June 2015  
GPA 5.15. Varsity cross country team captain and 2-time state champion. Published in journal of STEM student research.

## RESEARCH EXPERIENCE

**Clean Energy Research Analyst | EGS-Plan Energy Consulting**---- Bangkok, Thailand Jan - July 2017

- Delivered 4-scenario quantitative energy analysis on 162,000 sf factory building for Fortune-500 industrial client.
- Independently learned mechanics of PV systems and net-zero construction engineering to effectively problem solve.
- Led 4-student capstone team over seven months to analyze and communicate reduction strategies to Thai government.
- Certified first industrial green building in Thailand. Published world's first industrial building LCA in an int'l journal.

**Independent Research Fellow | Environmental Engineering REU**---- Morehead City, NC May - Aug 2016

- Discovered and analyzed significant relationship between shoreline structure, hurricane resiliency, and fishery health.
- Sharpened skills in statistical analysis, project planning, and communicating results via 10-week independent research

## ENERGY WORK EXPERIENCE

**Executive Project Lead | Renewable Energy Special Projects Committee**---- Chapel Hill, NC Aug 2015 - Present

- Managed multiple projects at a time, overseeing \$200,000 budget. Launched construction of first EV chargers on UNC campus and executed implementation of \$250,000 rooftop PV installation on highly visible campus building.
- Assisted UNC engineering team in performing LCCA for new medical education building. Quantified rooftop solar feasibility and estimated payback for dynamic CO<sub>2</sub>-sensing air filters and window glazing.

**Founder and President | Southeast Green Fund Collaborative**---- Chapel Hill, NC Sep 2017-Present

- Built first-of-its-kind collaborative trade association among energy and sustainability green fund groups at seven southeastern schools. Developed idea-sharing ecosystem with future aim of putting together full-fledged organization.

## PUBLICATIONS

S. Tulevech, D. Hage, S. Jorgensen, C. Guensler, R. Himmler, and S. Gheewala. 2018. Life Cycle Assessment: a multi-scenario case study of a low-energy industrial building in Thailand. *Energy and Buildings* 191-200.

## COMMUNITY LEADERSHIP

**Co-Founder and Organizer | North Carolina Rural Sustainability Summit**---- Chapel Hill, NC Feb - Oct 2016

- Convened stakeholders in the energy, agriculture and water sectors to help stimulate meaningful dialogue and build bridges between urban and rural area clean tech economies.

## SKILLS AND INTERESTS

**Technical:** ArcMap, Python, MATLAB, Java, SQL, HTML, CSS, JavaScript, NetLogo and Microsoft Office Suite.

**Extracurricular:** RESPC, Carolina Analytics, Conservation Tech, Epsilon Eta Env. Honors Fraternity, UNC XC.

**Interests:** Distance running, backpacking, national parks, international travel, learning new languages, and writing poetry.