

PERSONAL SUMMARY

Environmental Engineering major with experience in energy audits, energy modeling, and sustainable design. Passionate about using my expertise to find solutions to Global Grand Challenges in energy, infrastructure, and environment, while working with developing communities. Particularly interested in learning more about energy performance optimization models and social sustainability frameworks. Currently, working to solve grand challenges with University of Washington Grand Challenges Impact Lab in urban Bangalore and rural Gokarna, India.

WORK EXPERIENCES

REU RESEARCH ASSISTANT

Virginia Polytechnic Institute and State University

June 2019 - August 2019

- Evaluated 40 research papers and 223 buildings collectively for inclusion in the Inventory of Seismic Structural Evaluations, Performance Functions, and Taxonomies for Buildings (INSSEPT) database
- Analyzed architectural plans and performed life cycle assessments for two mid-rise concrete archetype buildings using Athena software
- Learned and used Sketch Up, OpenStudio, and EnergyPlus to render energy modeling and sensitivity analysis for four mid-rise archetype buildings
- Led hands-on hazard engineering activities for 48 middle school students
- Learned about green building technology, structural systems, and natural disaster resilient features of buildings and presented individual research at weekly meetings

SUSTAINABILITY ASSISTANT

North Seattle College | October 2016 - May 2018

- Collaborated with 10+ student representatives from Seattle Colleges as well as industry professionals from McKinstry to propose building features to improve energy efficiency and user experience as a student body representative at McKinstry's Seattle Colleges Energy Audit Charrette
- Collected data on 30+ categories focused on waste, water, and energy usage, etc. for the Sustainability Tracking, Assessment & Rating System (STARS) report under the Association for the Advancement of Sustainability in Higher Education (AASHE)
- Co-led a compostable waste pilot study and introduced 7 compostable waste bins in various departments on campus
- Researched compostable utensils to identify the most cost-effective and environmentally sustainable option for the campus cafeteria and assisted with transition to 100% compostable utensils
- Coordinated and promoted sustainability more than fifteen outreach programs to students, staff, faculty and community members

SKILLS

Athena, SketchUp, OpenStudio,
EnergyPlus, Microsoft Office Suite

EDUCATION

University of Washington

BS Environmental Engineering

September 2018 - Present

- UW FIG Leader
- UW Transfer Student Ambassador

North Seattle College

AS Civil & Environmental Engineering

September 2017 - June 2018

- Director of Student Outreach of NSC Engineering Club
- Vice President of NSC Eco - Logic Club
- Member of the President's Advisory Committee on Sustainability (PACS)
- Member of Community P-Patch garden, city of Seattle

ACHIEVEMENTS

- University of Washington Civil Engineering Scholar
September 2018 - Present
- Washington Opportunities Scholar
September 2018 - Present
- President's Volunteer Service Award - Silver
June 2017 - June 2018