

HANNAH LUEBBERING

Data Science graduate student at the University of Washington. Excited to apply mathematics and programming skills to solve real-world problems. Motivated to learn, grow, and excel in data science and technology to improve others' quality of life.



EDUCATION

- 2021-2022 **UNIVERSITY OF WASHINGTON**
Master of Science - MS, Data Science
- 2017-2021 **WAKE FOREST UNIVERSITY**
Bachelor of Science - BS, Applied Mathematics
- 2019 **UNIVERSITY OF SYDNEY**
Study Abroad, Real Analysis and Python
 - SUMS, Mathematics Society
- 2013-2017 **BLUE VALLEY NORTH HIGH SCHOOL**
High School Diploma
 - Varsity Cross Country and Track, Team Captain, Science National Honor Society

EXPERIENCE

- 2021 **VISUALIZATION DEVELOPER AND DATA ANALYTICS INTERN**
Empower Retirement | Greenwood Village, Colorado
 - Built interactive data-driven infographics to provide relatable knowledge of capacity, cost, labor, and overall project management.
 - Analyzed cloud platform data and created Tableau dashboards to expose visibility into cloud resource expenses.
- 2020-2021 **DATA SCIENCE PEDAGOGY RESEARCH**
Lucy McGowan's Lab, Wake Forest University | Winston-Salem, NC
 - Assisted Dr. McGowan's Data Science Lab on examining best practices in teaching R.
 - Built and published interactive tutorials on using Tidyverse for data analysis.
 - Created randomized trials using Shiny and LearnR software tools.
- 2019-2020 **NEW SOUTH WALES HEALTH INTERNSHIP**
Westmead Institute for Medical Research | Sydney, Australia
 - Researched data analysis methods to evaluate biomedical risk factors and make evidence-based decisions in the personalized treatment of chronic diseases.
 - Analyzed electronic health record data for common chronic diseases and drafted patient similarity models to generate dynamic treatment insights.
- 2018-2020 **NANO TECHNOLOGY IN SOLAR CELLS RESEARCH**
Elham Ghadiri's Lab, Wake Forest University | Winston-Salem, NC
 - Worked with Dr. Ghadiri's Laboratory for Nano-Photo-Chemistry.
 - Acquired photoluminescence imaging, spectroscopy, and ultrafast pump-probe microscopy data of solar cell devices.
 - Analyzed data to identify photophysical processes and device performance of nanostructured films.

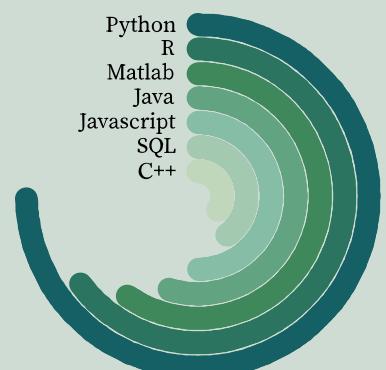
CONTACT

- ✉ luebhr@gmail.com
- LinkedIn linkedin.com/in/hannahluebbering
- Github github.com/hluebbering
- Website hluebbering.github.io

SKILLS

- ✖ Mathematical Modeling
- ✖ Machine Learning
- ✖ Data Analytics and Visualizations
- ✖ Statistical Analysis
- ✖ Nanotechnology
- ✖ Web Design

PROGRAMMING



TOOLS

- Tableau
- HTML/CSS
- D3.js
- AWS
- Adobe

2018-
2019

CONCUSSION RESEARCH ASSISTANT

Wake Forest Innovation Quarter | Winston-Salem, NC

- Collected and analyzed kinematic data from instrumented mouthguard sensors to study the injury biomechanics of head impacts and concussions.

2017-
2018

VOLUNTEER POSITIONS

INTENSIVE CARE UNIT VOLUNTEER

Wake Forest Baptist Health | Winston-Salem, NC

- Operated the front desk, assisted nurses and doctors, and organized files and equipment.

2015- 2016

PATHFINDER

Children's Mercy Hospital | Kansas City, MO

- Helped visitors navigate the hospital, assisted doctors in the sports medicine clinic.

2015

UCLA STUDENT VOLUNTEER

University of California, Los Angeles | Los Angeles, CA

- Participated in various service projects around Los Angeles.
- Helped local environmental groups preserve marine habitats, provided meals and other assistance to underprivileged residents.

2019-
2021

EXTRACURRICULAR

ASSOCIATION FOR WOMEN IN MATHEMATICS EXECUTIVE COMMITTEE

Wake Forest University | Winston-Salem, NC

- Led and participated in various programs and workshops to mentor students in math.