

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-
2023

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

NANOTECHNOLOGY 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

in [linkedin.com/in/hannahluebbering](https://www.linkedin.com/in/hannahluebbering)

🐙 github.com/hluebbering

🔗 hluebbering.github.io

SKILLS

✳️ Mathematical Modeling

📊 Machine Learning

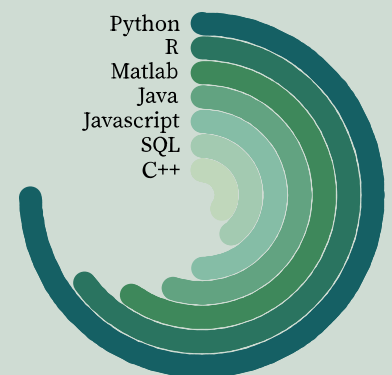
📊 Data Analytics and Visualizations

📊 Statistical Analysis

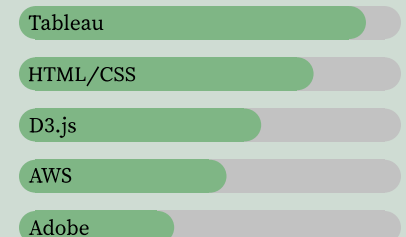
🏗️ Nanotechnology

🖥️ Web Design

PROGRAMMING



TOOLS



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.



VOLUNTEER POSITIONS

2017-
2018

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.



EXTRACURRICULAR

2019-
2021

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.