

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
• Association for Women in Mathematics, Executive

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 **HEALTH DATA ANALYTICS INTERN**
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.

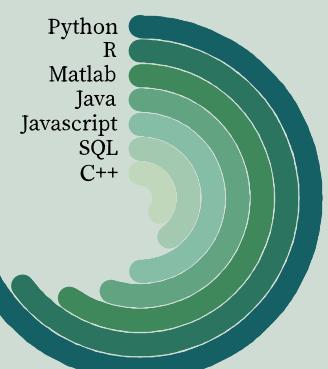
CONTACT

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

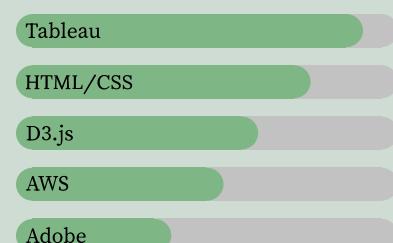
SKILLS

- XM² Mathematical Modeling
XM Machine Learning
XM Data Analytics and Visualizations
XM Statistical Analysis
XM Nanotechnology
XM 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.

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.