

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

- Association for Women in Mathematics and Computer Science

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

- Explored cloud platform data and created Tableau dashboards to expose visibility into cloud resource expenses.
- Built interactive data-driven infographics to provide relatable knowledge of capacity, cost, labor, and overall project management.

2020-
2021

Data Science Pedagogy Research

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

- Collaborated on projects developed by industry partners in healthcare and biotechnology.
- Researched disruptive technologies and precision medicine to address biomedical risk factors and treatment of chronic diseases.



CONTACT

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🔗 github.com/hluebbering

🌐 hannah-luebbering.com

SKILLS

ℳ² Mathematical Modeling

≈ Statistical Analysis

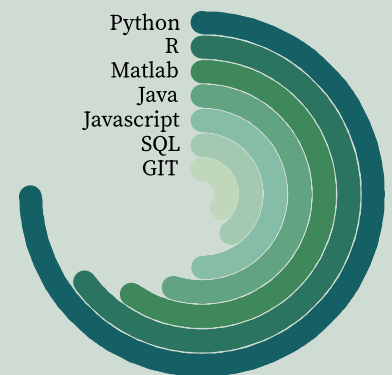
🔧 Research and Technology

🔬 Nanotechnology and Chemistry

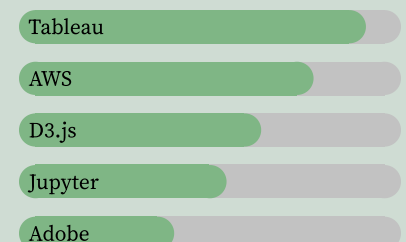
📊 Data Analytics and Visualizations

📄 Web Design

PROGRAMMING



TOOLS



2018-
2020

Nanotechnology in Solar Cells Research

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.

2018-
2019

Concussion Research Assistant

Wake Forest Innovation Quarter | Winston-Salem, NC

- Equipped youth soccer players with mouthpiece sensor software, collected kinematic data, and applied data analysis to study injury biomechanics of concussions and head impacts.

2018

Clinical Internship/Shadowing Program

Wake Forest School of Medicine | Winston-Salem, NC

- Shadowed several physicians specializing in various fields during surgeries and patient office visits.

2017

Orthopaedic Surgery Shadow

KC Orthopaedic Institute | Leawood, KS

- Engaged in answering patient questions and observed various major surgeries.



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.



ACCOMPLISHMENTS

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.