

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 in Data Science

2017-
2021

● **Wake Forest University**
BS in Applied Mathematics, Minor in Computer Science
• Association for Women in Mathematics and Computer Science

2019

● **University of Sydney**
Study Abroad, Python and Real Analysis
• 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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in [linkedin.com/in/hannahluebbering](https://www.linkedin.com/in/hannahluebbering)

🔗 github.com/hluebbering

🌐 hannah-luebbering.com

SKILLS

ℳ² Mathematical Modeling

≈ Statistical Analysis

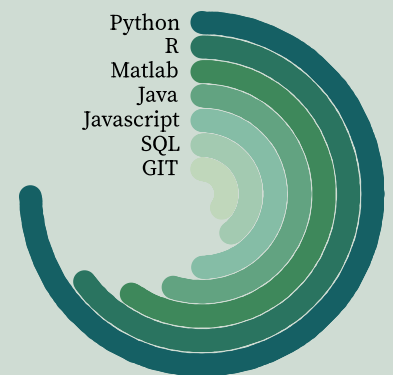
🔧 Research and Technology

🔬 Nanotechnology and Microscopy

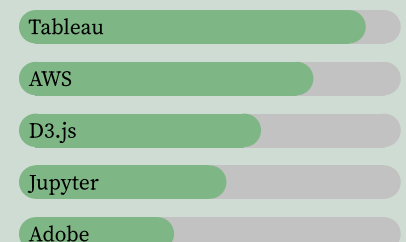
📊 Data Analytics and Visualizations

🖨️ 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

- Monitored and outfitted soccer players with mouthpiece software, collected data, and analyzed data for study of head impact in sports and injury biomechanics.

2018

Clinical Internship/Shadowing Program

Wake Forest Baptist Health | Winston-Salem, NC

- Accepted a clinical internship program offered by Wake Forest School of Medicine.
- Shadowed several physicians specializing in various fields during surgeries and patient office visits.

2017

Orthopaedic Surgery Shadow

KC Orthopaedic Institute | Leawood, KS

- Shadowed several orthopedic doctors during surgeries and patient office visits.



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 patients and families 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

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.