

# HANNAH LUEBBERING

I am a data scientist particularly interested in the intersection of mathematical modeling, computing, and user interface design. I specialize in synthesizing insights from data using various programming languages and developing cutting-edge, user-centric platforms.



## EDUCATION

2021-2023	<b>UNIVERSITY OF WASHINGTON</b> Master of Science - MS, Data Science
2017-2021	<b>WAKE FOREST UNIVERSITY</b> Bachelor of Science - BS, Applied Mathematics • Association for Women in Mathematics, Executive
2019	<b>UNIVERSITY OF SYDNEY</b> Study Abroad, Real Analysis and Python • SUMS, Mathematics Society
2013-2017	<b>BLUE VALLEY NORTH HIGH SCHOOL</b> High School Diploma • Varsity Cross Country and Track, Team Captain, Science National Honor Society

## EXPERIENCE

2023-Present	<b>DATA SCIENTIST AND ENGINEER</b> VuePlanner   New York, New York • Apply data analysis methods to evaluate YouTube Ad metrics and costs. • Analyze DV360 and Google ads data for ways to improve costs and spending and help build machine learning models to generate dynamic insights.
2021-2022	<b>VISUALIZATION DEVELOPER AND DATA ANALYTICS INTERN</b> 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	<b>DATA SCIENCE PEDAGOGY RESEARCH</b> Lucy McGowan's Lab, Wake Forest University   Winston-Salem, NC • Assisted Dr. McGowan's Data Science Lab in examining best practices for teaching R. • Developed and published interactive tutorials on using Tidyverse for data analysis. • Conducted randomized controlled trials using Shiny and Learnr software tools.
2019-2020	<b>HEALTH DATA ANALYTICS INTERN</b> Westmead Institute for Medical Research   Sydney, Australia • Researched data-driven approaches for evaluating biomedical risk factors and decision-making in personalized treatment of chronic diseases. • Analyzed electronic health record data for common chronic diseases and developed patient similarity models to generate dynamic treatment insights.

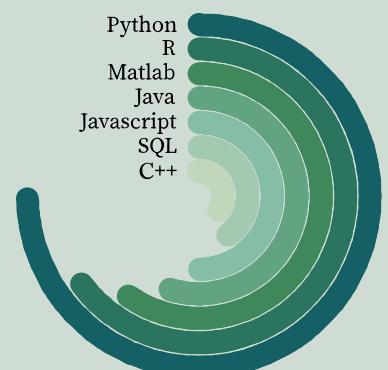
## CONTACT

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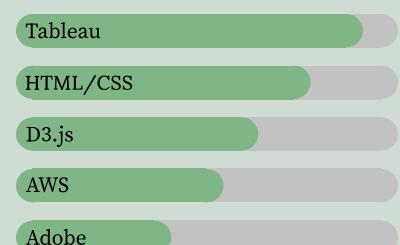
## SKILLS

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

## PROGRAMMING



## TOOLS



2018-  
2020

#### **NANOTECHNOLOGY IN SOLAR CELLS RESEARCH**

Elham Ghadiri's Lab, Wake Forest University | Winston-Salem, NC

- Worked in Dr. Ghadiri's Laboratory for Nano-Photochemistry.
- Acquired photoluminescence imaging, spectroscopy, and ultrafast pump-probe microscopy data from solar cell devices.
- Analyzed data to identify photophysical processes and evaluate device performance of nanostructured films.

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.