

# Grace Kathryn Becker

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Current Master of Public Health Data Science Candidate from the University of North Carolina at Chapel Hill seeking practical field experience for Summer 2020. Skills include data cleaning, manipulation, evaluation, visualization, and collaboration with proficiencies in R, SQL, SAS, and STATA. Experienced in the use of data-driven decision-making strategies to contribute to evidence-based research.

## EDUCATION

**The University of North Carolina at Chapel Hill**, Chapel Hill, NC **May 2021**  
*Master of Public Health (Public Health Data Science Concentration)*

Relevant Coursework: *Data Science, Machine Learning, Biostatistics, Epidemiology, Experimental Analysis*

**The College of William and Mary**, Williamsburg, VA **May 2019**  
*Bachelor of Science in Kinesiology & Health Sciences with Honors (Public Health Concentration, Biochemistry Minor)*

Cumulative GPA: 3.53/4.00

Thesis: *Resting heart rate variability at sea level does not predict arterial desaturation or ventilatory responses to acute hypoxia exposure*

**NCAA Division I Track & Field Athlete (High Jump)** **August 2015 – Present**  
*Honored into the NCAA All-Academic Team May 2019*

## SKILLS

**Technical:** Microsoft Office Suite, R, SAS, SQL, STATA

**Trainings:** Adult CPR/AED/First Aid, Disaster Preparedness, Minimal Risk Research

## RESEARCH & FIELD EXPERIENCE

**Altitude Physiology Research Facility** / *Honors Fellow* / *Williamsburg, VA* **November 2017 – July 2019**

- Designed and executed a protocol to investigate the physiological response to hypoxia via lab-based simulation
- Optimized previous methods of data collection in Microsoft Excel and statistical analysis in R Studio
- Enhanced analysis through data visualization tools, including an interactive web-based application using R Shiny
- Earned Honors designation; presented findings at the American College of Sports Medicine 2019 Conference

**The Lackey Clinic** / *Community Outreach Specialist* / *Yorktown, VA* **January 2019 – July 2019**

- Implemented a campaign to identify uninsured, low-income patients that are eligible for free clinic services
- Increased new patient expansion by 25% within 6 months
- Organized community events promoting the clinic and health education
- Cultivated relationships with various community and professional constituencies
- Developed promotional materials for online and print media and managed social media accounts

**The Lackey Clinic** / *Patient Assistance Coordinator* / *Yorktown, VA* **June 2018 – January 2019**

- Improved medication access for uninsured, low-income patients by coordinating with pharmaceutical companies
- Analyzed patient eligibility criteria, resolved critical issues, and navigated data entry into clinical databases (TPC, Epic)

**The Williamsburg Landing** / *Research Assistant* / *Williamsburg, VA* **August 2018 – May 2019**

- Investigated the role of medical history, strength, cognition, and other parameters in fall risk in independent living residents
- Provided one-on-one support to a resident throughout an interventional exercise program

## PROJECT MANAGEMENT EXPERIENCE

**Spoon University** / *Editorial Director* / *Williamsburg, VA* **August 2015-May 2018**

- Supervised the William & Mary chapter of a national food and wellness publication
- Implemented marketing and promotion tactics that led to a 400% increase in social media following in 12 months
- Received formal training in search engine optimization and social media management

**Vega** / *Sales Associate* / *Burnaby, BC (Remote)* **December 2015 – January 2018**

- Engaged customers with expert knowledge of product and nutrition information
- Demonstrated exceptional interpersonal skills by providing a direct link of communication between the company, retailers, and customers