

# Kyle Webb

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## EDUCATION

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### Virginia Tech University

*Master of Science in Statistics*

### Wake Forest University

*BS in Statistics, Minor in Latin*

- GPA: 3.4/4.0, Dean's List

**Blacksburg, VA**

*August 2015- December 2016*

**Winston-Salem, NC**

*August 2011- May 2015*

## WORK/ RESEARCH EXPERIENCE

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### National Institute of Allergy and Infectious Diseases

*Data Science Fellow*

**Bethesda, MD**

*June 2018- Present*

- Evaluated models for Human Phenotype Ontology assignment using corpus of over 32,000 clinical notes
- Assisted bioinformatics team with immunological genetic and proteomic studies
- Improved network visualizations and capabilities for a genetic screening tool, TRIAGE
- Improved the R package ihazr, an interactive hazard regression tool for survival analysis

### Technomics Inc.

*Analyst*

**Arlington, VA**

*February- November 2017*

- Implemented text mining through Python and R scripts for data transfer to Microsoft Access
- Developed R Shiny apps to provide data visualization, validation, and downloads for clients
- Taught a course in R to other cost analysts

### Virginia Tech Department of Statistics

*Graduate Teaching Assistant*

**Blacksburg, VA**

*August 2015- December 2016*

- Served as a statistical consultant for interdisciplinary research projects
- Assisted professors in grading class assignments and holding review sessions

### Eastman Chemical Company Applied Statistics Group

*Intern*

**Kingsport, TN**

*May- August 2016*

- Analyzed multiple comparisons for the strength of polymers on different testing orientations
- Implemented response surface design to explain yield of cigarette plugs
- Collaborated with lab technicians, chemists, and statisticians to accomplish nine projects

### Wake Forest Department of Mathematics

*Researcher*

**Winston-Salem, NC**

*June 2012- August 2014*

- Published paper concerning edged tournament graphs and combinatorics
- Implemented the university's cluster and bash scripting to run R-coded jobs
- Presented research findings at Wake Forest's URECA, JMM 2014, and CanaDAM 2015

### Mercer University, Biomedical Department

*Volunteer*

**Macon, GA**

*May- July 2010*

- Read blood pressure, administered vitamin shots to patients
- Built leg prostheses and fit prosthetics on amputee patients in Vietnam

## ACTIVITIES

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### Reformed University Fellowship

*Leader*

**Winston-Salem, NC**

*August 2012- May 2015*

- Built homes with Habitat for Humanity for tornado victims in Tuscaloosa, AL
- Volunteered with Scripture Union Peru to care for orphans in Kusi, Peru

## HONORS

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**National Society of Collegiate Scholars, Wake Forest University**

**Winston-Salem, NC**

## PROGRAMMING LANGUAGES AND SOFTWARE

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R, Python, Bash, JavaScript, D3.js