

Alexander Bonham

Education

- 2018-present **MS in Statistics, *University of Virginia***
- Fundamentals of Probability and Statistical inference
 - Fundamentals of Linear Models and Application
 - Machine Learning Techniques
 - Survival Analysis Techniques
 - Bayesian Methods
 - Current GPA: **3.860**
- 2014-2018 **BA in Cognitive Science- Neuroscience concentration, BA in Psychology, *University of Virginia***
- UVA Echols Scholar Program (UVA Honors Program)
 - Received Intermediate Honors, Fall 2016
 - Received Highest Distinction in Distinguished Major in Psychology Program:
 - Designed and conducted experiments
 - Constructed Surveys in Qualtrics
 - Analyzed Data in SPSS (two-way ANOVA, Linear Regression, Simple Slope analysis)
 - Wrote thesis reporting findings on relationship between music, mood and memory
 - Overall GPA: **3.925**

Work and Research Experience

- 2017 Summer **Research Fellow**
Center for Visual Science at University of Rochester
- Worked in Yoon Advanced Physiological Optics Laboratory
 - Imaged cornea with OCT and wavefront sensor
 - Analyzed Cornea Data
- 2015-2017 **Research Assistant**
Oishi Culture, Social Ecology & Well-Being Lab at UVA
- Conducted surveys and experiments
 - Proofread academic papers written by Prof Shige Oishi
 - Provided input for studies and research papers
- 2016-present **Research Assistant**
Behavioral Research at Darden Lab
- Conducted experiments for Professors at Darden School of Business
 - Provided input on experimental design for studies
- 2018 Spring **Research Assistant**
Fairfax Pre-K to Third Grade Research Project
- Data entry in Microsoft Access
 - Video coding using CLASS system
- 2017 Summer **Research Assistant**
Darden/Politics Research Project
- Consolidated large data sets in excel for Prof Sonal Pandya

Personal Info

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703-399-0659

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Technical Skills

- R, Python(with Numpy and Pandas), SAS SPSS, SQL, Qualtrics, Tableau, Excel
- Machine Learning
- Data Visualization
- Survival Analysis
- Linear Models
- Bayesian Methods
- Experimental Design
- Hypothesis Testing

Soft Skills

- Writing Skills
- Interpersonal Skills
- Communication Skills
- Critical Thinking

Certifications

- CITI IRB for Social/Behavioral/Education Research (IRB-SBS): Research That Does Not Involve Prisoners