BENJAMIN "Benji" **WAGNER**
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PROFILE

A diligent, flexible Master of Biostatistics candidate and mathematics graduate with experience in applying computational models within interdisciplinary topics. Motivated individual with excellent communication skills seeking an internship in ***Data Science*** .

TECHNICAL SKILLS

R, Python, SAS, Java, MATLAB, LaTeX, Unix Shell, HTML, CSS, Microsoft Office (Word, PowerPoint, Excel, Outlook)

EDUCATION

DUKE UNIVERSITY, School of Medicine, Durham, NC
Master of Biostatistics, May 2019. GPA: 3.5/4.0. Tuition Scholarship
Relevant coursework includes: Introduction to Statistical Theory & Methods I&II, Applied Biostatistical Methods I&II, Software Tools for Data Science, Advanced R, Introduction to The Practice of Biostatistics I&II, Statistical Methods for Learning and Discovery, Survival Analysis, General Linear Models, Biomedical Big Data

Master's Project
Applying Machine Learning Algorithms to Metabolic Data

- Will fit various machine learning models to metabolic data for purpose of identifying patterns, groupings, and relationships within data
- Will assess different models' ability to predict outcome of patient i.e. if they had Idiopathic Pulmonary Fibrosis or not

ARIZONA STATE UNIVERSITY, Barrett Honors College, Tempe, AZ
Bachelor of Science, **Mathematics**, May 2017. GPA: 3.9/4.0, Graduated *Summa cum laude*, Honors Program, Dean's List (7), Honors Thesis, Jack H. Hawes Research Scholar, New American University Scholar
Relevant coursework included: Experimental Statistics, Probability Theory, Mathematics & Cancer, Differential Equations, Linear Algebra, Multivariate Calculus, Biology I, Applied Data Structures & Algorithms, Numerical Analysis

EXPERIENCE

DUKE UNIVERSITY, Durham, NC 2018 - Current
Teaching Assistant, High Throughput-Sequencing Course

- Prepared pipeline for other students to generate counts for RNA-Seq data using Unix-based bioinformatics tools
- Compiled Jupyter notebooks for instructions on how to generate pathway analyses from gene counts
- Resolved student problems with Unix and R code by identifying errors and clarifying procedures

ARIZONA STATE UNIVERSITY, Tempe, AZ 2015 - 2016
Success Coach, First-Year Success Center

- Initiated contact with over 100 freshmen to explore ways to ensure a successful first year at college
- Coached students throughout the year on goal setting and planning
- Responded to student hardships accordingly by directing students to various ASU resources

Research Assistant, School of Mathematical and Statistical Sciences

- Reviewed prior work relating to Fermi Bubbles, black body radiation, Euler's Gas Dynamics among others
- Simulated environments using supercomputer to reproduce Fermi Bubbles for study with a professor
- Interpreted findings and presented them in a clear, comprehensible manner at 2016 Joint Mathematical Meeting in Seattle, WA

VOLUNTEER EXPERIENCE

CAMP KESEM, Prescott, AZ 2014-2017
Camp Counselor, Camp Kesem ASU

- Guided children ages 6-8 to participate in activities and develop relationships with fellow campers whose parents were affected by cancer
- Ensured safety by aiding campers with any needs or injuries to encourage a positive atmosphere
- Established leadership role for younger co-counselors aspiring to get involved in the future

PROJECT EXPERIENCE

DUKE DATAFEST, Durham, NC
American Statistical Association 2018

- Implemented interactive tools with RShiny so users could explore data, sponsored by Indeed.com