CHRISTOPHER HILL

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SUMMARY

- 10+ years of experience using analytical and statistical models within both qualitative and quantitative methods for universities and private industry.
- Executed multiple grants worth $2+ million focused on analyzing and understanding human exercise behavior.
- Collected and analyzed data from 5000+ participants using quantitative and qualitative methods.
- Published over 35 peer-reviewed research articles and 55 peer-reviewed conference presentations.
- Communicated the findings from data collection to various groups, including NASA, professional motorsport teams, and academics.
- Executed research at the institutional level at the university to improve student outcomes at a large state university that lead to meaningful university change.

EXPERIENCE

Assistant & Associate Professor (Tenured)   **09/18 – present**
California State University, San Bernardino   **San Bernardino, CA**

California State University, San Bernardino (CSUSB) is a four-year university in Inland Southern California. The university serves over 20,000 students annually and graduates approximately 4,000 each year. CSUSB ranks in the top 4% of universities in the nation based on 'value added' from the Collegiate Learning Assessment. The university has a statewide economic impact of more than half a billion dollars annually.

- Communicated insights to stakeholders in over 25 peer-reviewed publications, 55 unique conference presentations, and four book chapters focused on human movement and health.
- Currently conducting collaborative research in professional motorsports as part of a collaborative team of exercise scientists (including physiologists and physicians) to improve motorsport athlete health and performance.
- Oversaw the entire General Education program as the General Education Director. Used data-driven decision-making to ensure that my office supported all stakeholders at the university.
- Taught over 35 sections of 7 unique courses to 2000+ students at the university with consistently high teaching ratings from students and colleagues.
- Enhanced the university curriculum by developing three new courses that improved learning outcomes for students and made them more marketable as future professionals.

Primary Investigator   **01/22 – 08/23**
Citruslabs   **Santa Monica, CA**

Citruslabs is a Contract Research Organization that provides research services to consumer brands. Specifically, Citruslabs develops, designs, and implements research studies that meet the requirements of FDA and FTC guidelines.

- Designed and developed over 40 studies for consumer brands looking to test their products with human subjects.

- Created data pipelines and data protocols for studies involving human subjects.
- Analyzed data from over 50 studies to deliver results for brands testing products.
- Communicated with technical and non-technical stakeholders regarding the results of studies conducted by the research team.
- Oversaw a research team of medical writers and data analysts.

Research Associate   **08/14 –08/18**
Michigan State University   **East Lansing, MI**

Michigan State University (MSU) is classified as a Carnegie R1 Institution with 50,000+ students and over $844 million in research expenditures. MSU has an annual statewide impact of $6.8 billion and supports over 5,000 employees.

- Extensive experience working with researchers (including biomechanics, athletic trainers, and exercise physiologists), data scientists, and stakeholders in research projects funded by NIH and NASA at over $1 million.
- Hired, trained, and managed over 40 student workers to complete three grant projects focused on exercise behaviors with exercise video games.
- Managed participant enrollment and retention in large-scale exercise projects involving data from human performance studies.
- Completed extensive graduate coursework in statistics, data science, research design, sport and exercise psychology, and exercise physiology.

EDUCATION

PhD, Kinesiology | Michigan State University, East Lansing, MI | 2018
MS, Kinesiology | Miami University, Oxford, OH | 2014
BS, Human Movement Sciences | Louisiana State University, Baton Rouge, LA | 2011

SKILLS

Python (Packages)- Pandas, Numpy, MatPlotLib, Seaborn, CatBoost, XGBoost, SciKit-Learn
Mplus
Tableau
SQL
Qualtrics
Microsoft Office Suite