

Jon Michael Geiger

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TECHNICAL SKILLS

Data Skills	Data Wrangling, Data Visualization, Relational Databases, Web Scraping
Stats & ML	Regression (Linear & Logistic), Nonlinear Regression & Splines, Regularization & Shrinkage Methods, Bootstrap, Decision Trees, Random Forests, Gradient Boosted Trees, Hypothesis Testing, ANOVA, MLE, Simulation, Experimental Design, A/B Testing Methodology
R Programming	3 years tidyverse (dplyr, ggplot2, tidyr, readr), rvest, RMarkdown/Quarto, RStudio, Shiny
Python	2 years NumPy, pandas, SciPy, Matplotlib, Seaborn, Scikit-Learn, Jupyter Notebooks
Other Software	SQL & mySQL, Julia, Git/GitHub, Tableau, Excel, UNIX/Linux, L ^A T _E X

EDUCATION

Bachelor of Science, Applied Mathematics & Physics	June 2022
Bachelor of Arts, Honors Liberal Arts	June 2022
Seattle Pacific University Seattle, WA	
<ul style="list-style-type: none">• <i>Summa Cum Laude</i>, Minor in Data Analytics, Dean's List each quarter• Relevant Coursework: Probability and Statistics, Statistical Modeling, Mathematical Statistics, Introduction to Data Science, Statistical Learning with R, Data Analysis in Python, Data & Society (Data Analytics Capstone), Calculus I-III, Vector Calculus, Linear Algebra, Differential Equations, Complex Variables, Discrete Mathematics• Honors Project: "Developing a Natural Language Processing Approach for Analyzing Student Ideas in Introductory Calculus-Based Physics"• Relevant Projects (on GitHub): Data & Society Capstone, Honors Project, ActivPAL R Scripts, ISLR Notes	

RELATED EXPERIENCE

Postbaccalaureate Research Assistant	June 2022 – Present
Seattle Pacific University Seattle, WA	
<ul style="list-style-type: none">• Performed qualitative video analysis to characterize patterns in physics students' ideas (NSF grant-funded research)• Assisted physics faculty in redesigning a more equitable, hands-on, research-supported physics curriculum• Analyzed STEM course enrollment data to discover causes for dropout to support a cross-department success effort	
Research Intern, Health and Human Performance	June 2021 – June 2022
Seattle Pacific University Seattle, WA	
<ul style="list-style-type: none">• Developed multiple R scripts to loop through ActivPAL files and aggregate time series data about daily human behavior• Reverse-engineered proprietary algorithms for calculating daily sit-to-stand transitions with 100% accuracy• Developed an abstract and presented at the ACSM's Annual Meeting & World Congresses, June 2022	
Business Intelligence Intern	Jun 2019 – Sept 2019
OSI Digital Irvine, CA	
<ul style="list-style-type: none">• Constructed a mySQL data warehouse and designed an ETL pipeline to populate it with Salesforce data• Analyzed Salesforce data using Tableau Prep and Tableau dashboards to uncover actionable business insights	

ADDITIONAL EXPERIENCE

Learning Assistant, Physics	Seattle Pacific University Seattle, WA	Sept 2019 – June 2022
Learning Assistant, Mathematics	Seattle Pacific University Seattle, WA	Sept 2021 – Mar 2022
Math/Physics Tutor	STEM Tutoring Bellevue, WA	Aug 2020 – Mar 2021
Resident Advisor & Orientation Leader	Seattle Pacific University Seattle, WA	Sept 2019 – Sept 2020

GENERAL SKILLS

Growth Mindset	Passionate Learner, Quick Thinker, Teachable, Great with Constructive Feedback, Adaptable
Communication	Solid Interpersonal Skills, Active Listener, Teachable, Biliterate in Spanish
Teamwork	Equity-focused, Readily Collaborative, Critical Thinker, Driven, Goal-Oriented