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jennampe.github.io

JENNA PERRY

SUMMARY

Innovative researcher with 2 years professional experience seeking to return to Raleigh, NC and put data science skills to use as a XXXXX at XXXX. Proven skill with advanced statistical analyses, R, JavaScript, and scientific results communication.

SKILLS

- *Statistics*: linear regression (multiple, hierarchical), analysis of variance, mixed effect modeling, time series
- *Data Visualization*: ggplot2 (R), D3.JS (JavaScript)
- *Research Design*: research question refinement, literature reviews, survey design, quantitative data collection
- *Human Subjects Research*: peripheral psychophysiology, facial expression analysis, functional magnetic resonance imaging (fMRI)

LANGUAGES

R ★★★★★
Python ★★★
JavaScript ★★★★
D3.JS ★★★
HTML ★★★★★
CSS ★★★★
MySQL ★★
Java ★★
C ★

University of North Carolina (2017)
Bachelor of Science in Psychology
Minor in Computer Science; Minor in Neuroscience

- graduation With Highest Honors (research thesis)
- graduation With Distinction (3.7/4.0 GPA)
- Chancellor's Carolina Scholarship (full tuition)
- *relevant coursework*: Foundations of Decision Sciences; General Linear Modeling; Foundations of Programming (in Java); Computer Organization; Data Structures; Statistical Principles in Psychological Research

Relevant Experience

Research Associate/Coordinator
University of Miami (2017–)

- designed and implemented statistical analysis plans
- wrote over 10k lines of R to meet various project needs, including data cleaning and reduction, data visualization, model fitting, etc.
- generated PDFs (with R magick, imager) for team lead to characterize stimuli set being developed for NIH-funded project
- used JavaScript to add needed functionality to web-based survey software Qualtrics
- gave concise, easy-to-digest research presentations to scientists in and outside the lab
- trained 3 undergrad mentees on psychophysiology analyses
- balanced multiple scheduling requirements and limitations to recruit over 225 participants
- managed and monitored start-up research fund in excess of $300k

Summer Research Intern
Dartmouth College (2016)

- earned summer stipend from UNC to travel to Dartmouth and study in computational neuroscience lab
- familiarized self with Python, especially for large data pipeline-based analyses
- refined JavaScript skill and taught self D3.JS in order to independently develop web-based, configurable participant rating wheel

Honors Thesis Student
University of North Carolina (2014–2017)

- independently composed 40-page research manuscript to fulfill requirements to graduate With Highest Honors
- worked with team to develop award-winning poster to present at professional conferences
- conducted hierarchical linear regression and other analyses in SPSS
- taught important study protocol and general lab procedures to other undergraduates

REFERENCES:

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