JENNA PERRY

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Innovative data analyst with 3 years professional experience seeking position as part of a hard-working and creative team. Proven skill with advanced statistical analyses, R, actionable results communication, data management.

Education

2013–2017: **University of North Carolina at Chapel Hill**
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)

Work Experience

2019–   : **Programming Specialist**
Nuventra, Inc., Durham, NC
Full-Time Regular Position (flexible hours; 40 hours per week)
Employment Dates: 11/12/2019–
- developed code for formatting data to support noncompartmental and pharmacokinetic analyses
- contributed to the development of appropriate tables, listings, and figures for reporting pharmacokinetic (PK), pharmacodynamic (PD), and PK/PD analyses, in collaboration with a scientific lead
- contributed to data analysis using programmatic tools, in collaboration with a scientific lead
- implemented code for formatting study outputs into CDISC-compliant format (SDTM, SEND, ADaM)
- worked under time pressure to meet deadlines of external clients and ensure continued business

2017– 2019: **Research Associate/Coordinator**
University of Miami, Coral Gables, FL
Full-Time Regular Position (9 AM to 5 PM schedule; 40 hours per week)
Employment Dates: 07/05/2017 to 07/12/2019
- designed and implemented statistical analysis plans
- wrote very large body of R to meet various project needs, like data cleaning/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
- took lead in developing multimedia stimulus set for use in later research studies, including fMRI tasks
- 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
- direct liaison with university Institutional Review Board for multiple minimal-risk human subjects studies
- responsible for ensuring lab staff had up-to-date training on ethics regulations, SOPs, study protocols, best practices for maintenance of personally identifying human data, etc.

2016:   **Summer Research Intern**

Dartmouth College, Hanover, NH

Paid Internship Position (flexible hours; ~35 hours per week)

Employment Dates: 06/13/2016 to 08/12/2016

- 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

2014– 2017:   **Honors Thesis Student**

University of North Carolina, Chapel Hill, NC

Unpaid Internship Position (irregular hours; 10 to 15 hours per week)

Employment Dates:

as Research Assistant:	09/15/2014 to 04/24/2015
as Research Assistant:	07/01/2015 to 05/01/2016
as Honors Thesis Student:	08/22/2016 to 05/12/2017

- 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

Relevant Skills

Mathematics and Statistics

- *coursework in mathematics*: Algebra; Precalculus Mathematics; Calculus of Functions of One Variable I
- *coursework in statistics:* Introduction to Statistics; Foundations of Decision Sciences; General Linear Modeling (in Psychology); Statistical Principles in Psychological Research
- regression analyses: multiple linear, hierarchical linear, mixed effects linear, probabilistic
- significance testing in analysis of variance, *z*-tests, *t*-tests, paired/repeated measures, etc.
- correlation analyses: Pearson's coefficient, collinearity assessment, cross-correlations (i.e. time series analyses)
- data visualization (programmatically generated graphs, plots, tables, etc. in JavaScript D3.JS and R ggplot2 and ReporteRs)
- data quality assurance: validating statistical test assumptions; assessing skewness, normality, etc.; identifying outliers and abnormal data; computer scripted data quality assessment
- proficiency in statistical software (SPSS, Excel statistical functions; some exposure to Tableau)

Psychology and Neuroscience

- *coursework*: General Psychology; Introduction to Clinical Psychology; Introduction to Cognitive Psychology; Child Development; Evolutionary Psychology; Abnormal Psychology; Biopsychology; Advanced Biopsychology Laboratory; Introduction to Neuroscience
- peripheral psychophysiology collection and analysis
- facial expression coding and analysis
- functional magnetic resonance imaging (fMRI)
- research with human samples: recruitment, data collection, maintenance of identifying information

Computer Science
- *coursework*: Introduction to Programming; Foundations of Programming; Data Structures; Computer Organization; Internet Services and Protocols
- firm grasp of algorithms/general programming functionality and experience mentoring others on these topics
- data manipulation, cleaning, and reorganization
- complex logical filtering of large datasets
- development of procedures and group best practices for data management, access permissions, etc.
- programming languages
  - expert proficiency: R; JavaScript
  - high proficiency: HTML; CSS
  - moderate proficiency: D3.JS; Python; Java
  - basic proficiency: SQL/MySQL; C

Scientific Communication and Dissemination
- *coursework*: Bioethics; Modes of Inquiry; Laboratory Research in Psychology
- *conferences*: Social and Affective Neuroscience Society (2019); Miami Brainhack (2018); Society for Personality and Social Psychology (2018); Society for Affective Science (2017)
- *posters*:
  - **Perry, J.**, & Losin, E. A. R. (2018, June). *Psychophysiological synchrony and doctor-patient rapport.* Presentation given at University of Miami Brainhack, Coral Gables, FL.
  - MacCormack, J. K., Perry, J., & Lindquist, K. A. (2018, March). *Interoceptive sensitivity and physiological reactivity differentially predict emotional and somatic experiences.* Poster presented at the Society for Personality and Social Psychology, Atlanta, GA.
  - **Perry, J.**, MacCormack, J. K., & Lindquist, K. A. (2017, May). *Embodied individual differences in emotional intensity.* Poster presented at UNC Psychology Departmental Honors Thesis Session, Chapel Hill, NC
  - MacCormack, J. K., **Perry, J.**, & Lindquist, K. A. (2017, April). *Interoceptive sensitivity and physiological reactivity differentially predict emotional and somatic experiences.* Poster presented at the Society for Affective Science, Boston, MA. Selected for a poster spotlight and a poster award.
- *publications*:
  - Anderson, S. R., Gianola, M.*, **Perry, J. M.***, Losin, E. A. R. (In submission.) Doctor-patient racial/ethnic concordance predicts pain: Evidence from simulated clinical interactions.
  - **Perry, J. M.**, Anderson, S. R., & Losin, E. A. R. (In preparation). Impact of psychophysiological synchrony on doctor-patient trust and rapport.
  - Losin, E. A. R., **Perry, J. M.***, Snider, M.* (In preparation). Validation of a new video stimulus set for studying demographic biases in pain assessment and treatment.