

Bob Spunt, Ph.D.

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I use data and technology to understand people like you and me

Education

Ph.D., Social Psychology, University of California, Los Angeles 2005-2011
B.A., Psychology & Rhetoric, University of California, Berkeley 1999-2003

Work Experience

Principal Data Scientist, Oracle Corp., Seattle, WA 2018-Present

- cross-functional role building infrastructure and analytics pipeline for delivering quantitative user research at scale
 - work with executives, product managers, and designers to ensure research efforts meet stakeholder needs
 - work with developers and engineers to ensure infrastructure in place for scaling research efforts across hundreds of products, thousands of enterprise customers, millions of daily active users, and billions of application usage logs
 - build reusable software in Python and JavaScript for accessing, processing, annotating, modeling, and visualizing usage data

Data Scientist, Snap Inc., Seattle, WA 2017-2018

- used both quantitative and qualitative data sources to understand and predict user retention and engagement
 - used Python to automate natural language processing and frequency analytics on qualitative product reviews
 - wrote complex SQL queries joining and aggregating data distributed across Google BigQuery tables with billions of rows; developed Python software for programmatic execution of those queries using BigQuery API
 - conducted descriptive and predictive analytics on log usage datasets using Python data science stack
 - communicated methods and findings to partners and stakeholders to support strategic decision-making

Scientific Software Developer, Freelance, Multiple Locations 2011-Present

- Developed Automated Test Grading Software for CollegeSpring Inc. (2014-2015): developed application for automated SAT test scoring and data reporting; workflow processes; and end-user support
- Open-Source Scientific Software Developer (2012-2017): Maintain 30+ GitHub repositories containing open-source software for designing experiments and analyzing data from psychology/neuroscience research

Postdoctoral Scientist California Institute of Technology 2012-2017

University of California, Los Angeles 2011-2012

- programmatic, interdisciplinary scientific research to understand human psychology and its neural basis
 - interdisciplinary methodological approach including functional magnetic resonance imaging (fMRI), personality and mood assessment, survey methods, experimental testing, and performance assessment
 - extensive experience with both qualitative and quantitative data sources collected on diverse populations including healthy adults, high-functioning adults with autism, and patients with focal brain damage
 - presented research annually at scientific conferences and authored 20+ peer-reviewed papers in prestigious scientific journals including *Nature Reviews Neuroscience*, *Proceedings of the National Academy of Science*, and *Psychological Science*

Core Skills

Research Psychometrics, Experimental Design, A/B Testing, Measurement, Survey Design, Brain Imaging, Image/Timeseries Analysis, Usage Analytics, User Experience, Natural Language Processing

Computing Python, JavaScript, MATLAB, SQL, R, Shell, Git