Holly J. Bergen

Data Specialist | Researcher

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💬 SUMMARY

Data enthusiast with over 7 years of experience in research. Excellent reputation for being a positive team member as well as trustworthy to work independently. Recent graduate in Data Science program and experience with projects using ETL techniques, data wrangling, full-stack programming and web development to successfully analyze and visualize trends in data. Looking to apply these skills and provide data-driven stories and influence informed business decisions.

💼 PROFESSIONAL EXPERIENCE

Gene St. Louis Consulting – San Diego, CA
Mar, 2019 – Present: Freelance Contractor/Data Consultant
Environments: Microsoft Excel, Microsoft PowerPoint
- Creation and maintenance of in-depth dental industry analysis tools primarily in Microsoft Excel including VBA programming tasks and data visualizations
- Establish analysis tools and methods for improving customer-end experiences
- Creating Microsoft PowerPoint templates and ongoing visualizations for industry presentations

University of California, San Diego Extension School – San Diego, CA
Jan, 2019 – July, 2019: Data Science & Visualization Boot Camp Graduate
Environments: Python, Excel/VBA, HTML/CSS, JavaScript, SQL, Tableau, Heroku, AWS
- Group Project: Opioid Crisis | Data collection by interaction with RESTful APIs using Python Requests and JSON parsing techniques, creation of Python-based scripts to automate the cleanup, re-structuring, and rendering of large, heterogeneous datasets and visualizations | https://github.com/hollybergen/Data_Viz_Project
- Group Project: ETL – Searching for Happiness | EXTRACT: JSON parsing and RESTful API calls. TRANSFORM: Data wrangling, munging, and cleaning in Python by transforming API calls and CSV files into DataFrames in Python using Pandas. LOAD: Using MongoDB, SqlAlchemy and PyMySql – creating rds connection string, create engine, connect to engine and load into database | https://github.com/hollybergen/Data_Viz_GroupProj_ETL
- Project: Belly Button Biodiversity | Using biological data to build custom interactive data visualizations dashboard in JavaScript Ploty.js library & D3.js, building on HTML and deploying the Flask application to Heroku | https://belly-button-div-app.herokuapp.com/
- Group Project: Fake News | Data collection using web scraping techniques and API calls, data wrangling and function creation in Python to analyze headline metrics, machine learning in Python using logistic regression, SKLearn, TF-IDF Vectorizers including Naïve Bayes, XG Boost, and Random Forest models. Visualizations in Tableau | https://github.com/hollybergen/UCSDDataViz_Capstone/blob/master/Final%20Project.pdf

StemGenex, Inc. – San Diego, CA
Dec, 2016 – Oct, 2018: Data Specialist and Clinical Research Coordinator
<u>*Environments: Microsoft Excel, Microsoft Office, Tableau*</u>
- Patient advocacy | Collecting data from patient charts, medical records, questionnaires, diagnostic tests, as well as coordinating and planning all aspects of travel for patients, including hotel and transportation arrangements
- Clinical research | Creation of SOP's, conducting pre and post treatment assessments of patients through questionnaires, collecting, maintaining, and analyzing clinical research data, acting as liaison between research staff and third party organizations such as IRB and FDA
- Administrative | triaging of phone calls, communicating with patients, general office duties such as filing, copying, faxing, create spreadsheets/report, offering assistance to members of other teams when necessary

Pine House Café & Tavern - Mount Laguna, CA
July, 2016 – June, 2017: Executive Assistant
- Reliable right-hand to restaurant owner in various logistical tasks, including but not limited to; market research, event coordinating and planning, marketing tasks, collecting donations, and promoting for and running charity events

University of California, San Diego – San Diego, CA
<u>*Environments: Microsoft Excel, SAS JMP, MatLab*</u>
June, 2013 – June, 2016: Research Assistant – Infant Vision Lab
- Responsible for running research studies from conception to implementation. Including: recruiting and testing human subjects, data entry and organization, independently analyzing individual and large sets of data
- Maintaining communication within, as well as organization and maintenance of the lab, training and helping manage teams of incoming research assistants, working on multiple studies simultaneously

Pearson Education, Inc. – San Diego, CA
September, 2015 – January, 2016: Research Assistant (Contracted)
- Data collection at an Elementary afterschool program, proctoring pre and post assessment tests, assisting in children's learning and training of "brain training" application
- Recording and maintaining accurate data, troubleshooting technology, and coordinating with research team, school program leaders, and technology specialists throughout data collection process

EDUCATION

2019 **Data Science & Visualization Boot Camp**
University of California, San Diego - Extension

2013 – 2016 **B.S. Psychology - Developmental**
Minor: Cognitive Science
Cum Laude, Highest Distinction
University of California, San Diego
Specialized in areas of developmental psychology, social psychology, and Cognitive Neuroscience
Overall GPA: 3.8 | Major GPA: 3.9

2011 – 2013 **A.A. Liberal Arts and Sciences:**
Social/Behavioral Sciences – Psychology
San Diego Mesa College, CA
Overall GPA: 3.6 | Major GPA: 4.0

RESEARCH EXPERIENCE

2016 - 2018

Clinical Research – Private
Autologous Adipose Stromal Vascular Fraction Outcomes in Chronic Obstructive Pulmonary Disease Research Study, Autologous Adipose Stromal Vascular Fraction Outcomes in Osteoarthritis Research Study, Autologous Adipose Stromal Vascular Fraction Outcomes in Rheumatoid Arthritis Research Study, Autologous Adipose Stromal Vascular Fraction Outcomes in Multiple Sclerosis Research Study, Autologous Adipose Stromal Vascular Fraction Outcomes in Parkinson's Disease Research Study. Responsible for overseeing all studies from data collection and maintenance to analysis. Principle Investigator: Brody, Steven, MD, Ph.D, Lallande, Andre, DO

2015 – 2016

University Research
The Effects of Hugging on Feelings of Intimacy. Responsible for data analysis. Supervisor: Dobkins, Karen, Ph.D, University of California, San Diego

2014 – 2015

University Research – Honors Thesis Project
Bringing Purpose to Healthy Eating in Adolescents. Responsible for assisting in the development and editing of treatment stimuli, data collection, data entry and coding, and data analysis. Principle Investigator: Bryan, Christopher, Ph.D, University of California, San Diego

2014

Group Honors Research Project
Conceal or Reveal: Does Publicizing Goals Lead to Achievement?
Responsible for conceptualization and creation of methods, data collection, data analysis, literature review and assisted in project write-up. Supervisor: Professor Klienman, Daniel, Ph.D., University of California, San Diego

2013 – 2014

University Research
Effects of External Noise on Contrast Sensitivity for Intact and Scrambled Faces in Infants. Responsible for overseeing entire project from scheduling to testing subjects, analyzing individual data, data entry, organization of data, recording and tracking study changes, analyzing comprehensive data sets. Principle Investigator: Dobkins, Karen, Ph.D, University of California, San Diego

2013

National Research Project
International Situations Project. Responsible for data collection.
Supervisor: Professor Jaye Van Kirk, Past National Psi Beta President and current Advisor for Psi Beta, San Diego Mesa College.

PRESENTATIONS

Bergen, H., Chabot, A., Yeager, D., Bryan, C. (2015) *Bringing Purpose to Healthy Eating in Adolescence*. Poster presentation for the Psychology Honors Poster Session at University of California, San Diego

Dobkins, K., Blumenthal, E., McIntire, M., Bergen, H., Adiao, A. (2014) *Effects of External Noise on Contrast Sensitivity for Intact and Scrambled Faces in Infants.* Poster session at the Conference Research for the Arts, Social Sciences, and Humanities at University of California, San Diego

Bergen, H., Adiao, A. (2014) *Effects of External Noise on Contrast Sensitivity for Intact and Scrambled Faces in Infants.* Talk presentation at the Undergraduate Research Conference at University of California, San Diego

Bergen, H., Inukai, S., Jia, J., Liu, D. (2014) *Conceal or Reveal: Does Publicizing Goals Lead to Achievement?* Poster session for psychology honors program students at University of California, San Diego

Bergen, H., Monjaras, L., Dowd, M. (2013) *Normative and Informational Influence When Decision- Making in Groups.* Poster session at Honors Transfer Council of California at the University of California, Irvine.

Bergen, H., Monjaras, L., Dowd, M. (2013) *Normative and Informational Influence When Decision- Making in Groups*. Poster session at Western Psychological Association in Reno, NV.

CAMPUS INVOLVEMENT

Member
Psi Chi National Honor Society in Psychology
University of California, San Diego

Member
Honors Program – Department of Psychology
University of California, San Diego

Athlete
Women's Badminton Team
San Diego Mesa College

Member
Honors Club
San Diego Mesa College

Community Service Coordinator, Chapter Delegate and Inter-Club Counsel Representative
Psi Beta National Honor Society in Psychology
San Diego Mesa College

GRANTS, HONORS, AWARDS, SCHOLARSHIPS

2014-2015
Honors Program- Psyc 110: Junior Honors Research Seminar, Psyc 111A: Advanced Statistics and Research Methods, Psyc 111B: Advanced Statistics and Research Methods, Psyc 194A, B, C: Two year program with year-long research project under the mentorship of a faculty advisor, culminating in thesis and presentation

2013 Spring
Awarded 3rd place in American Psychological Association Student Presentation Contest- PT@CC for Research Project - *Normative and Informational Influence When Decision- Making in Groups*
Women's Badminton team awarded highest GPA at S.D. Mesa College

2012-2013
Dean's List 4.0 GPA- San Diego Community College District
Psi Beta awarded Club of the Year at S.D. Mesa College

2012 Fall
2012 Spring
Honors Courses: PSYC 166: Social Psychology, PSYC 211: Psychology/Learning, BLAS 140A: History U.S./Black Perspective
Honors Book Club Scholarship Awardee- San Diego Mesa College
Dean's List 4.0 GPA- San Diego Community College District

VOLUNTEER & COMMUNITY SERVICE

2013-2014
Infant Vision Lab
University of California, San Diego
Testing vision in infants, recruiting subjects, general lab duties

2013
Heroic Imagination Project
In partnership with Psi Beta and Dr. Phillip Zimbardo
Presenting workshops to high school, college students, and adults; teaching bystander apathy and the importance of being a hero in society.

2013
STEM (Science/Technology/Engineering/Mathematics) for Kids
San Diego State University
Presented the science of psychology, neurology, and human behavior to groups of students from grade school to initiate interest in fields of science.

2011-2013
Disability Support Programs and Services
San Diego Mesa College
Note-taker, tutor and general support for students with disabilities.

TRAINING / CERTIFICATES

2018
Stericycle
Blood borne Pathogens Training, OSHA compatible

2017
National Institute of Health (NIH) CDM Module
Clinical Data Management Module in the Clinical Trial Orientation.

2016
National Institute of Health (NIH) Office of Extramural Research
Web-based training course on "Protecting Human Research Participants"

2016
Software Carpentry Workshop
The Unix Shell, Programming in Python, Version Control with Git

2013
Collaborative Institutional Training Initiative (CITI)
Completed training in Social and Behavioral Responsible Conduct of Research, RCR

PROFESSIONAL AFFILIATIONS

2016-Present Muir College Stewart Society
2014-Present Psi Chi National Honor Society in Psychology
2014-2015 Student Member of American Psychological Association
2012-Present Student Member of Western Psychological Association
2012-Present Psi Beta National Honor Society in Psychology for Community Colleges
2011-2013 San Diego Zoological Society