

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 Plotly.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/UCSDDDataViz_Capstone/blob/master/Final%20Project.pdf



StemGenex, Inc. – San Diego, CA

Dec, 2016 – Oct, 2018: Data Specialist and Clinical Research Coordinator

Environments: Microsoft Excel/Microsoft Office tools, Tableau, Salesforce

- 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

Environments: Microsoft Excel/Microsoft Office tools, SAS JMP, SPSS, MatLab

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