Christopher Chan

GitHub
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Education

University of California, Santa Barbara – *Aquatic Biology, B.S.*
Minor – Anthropology
March 2018

Experience

Santa Barbara Audubon Society
Ecology Intern | March 2017 – June 2018
Collaboratively established a water quality monitoring program from the ground up.

- Cleaned, analyzed and visualized water quality and invertebrate data with R and ggplot2. Presented the results to a non-scientific audience.
- Built a team of undergraduate and graduate students to collect and analyze samples.

Page-Dugan Lab, UCSB
Undergraduate Researcher | June 2017 – June 2018
Analyzed long-term ecological trends and produced reliable, detailed data with an interagency team.

- Created a mixing model from stable isotope analysis with the R package MixSIAR.

Coal Oil Point Reserve, UCSB Natural Reserve System
Writing Intern | October 2017 – June 2018
Translated technical jargon into 50 easy to understand descriptions of animals.

Projects

Superstore Sales Regression
Predicted the sales of products based on location and pricing data.

- Built and tuned a random forest model in R.
- Wrote a report that outlined key findings and areas of improvement.

Related Coursework

- Statistics, Biometry, Modeling Environment and Ecological Change, Writing Science/Technology

Self-Learning

- Data Science Math Skills, Introduction to Algorithms, Introduction to Computational Thinking and Data Science

Profile

Analytical and organized performer with a proven track record of balancing multiple tasks and solving complex problems. Competent in data analysis, experimental design and writing for technical and general audiences. Excited by the challenge of capturing and understanding vast amounts of data.

Technical Skills

Languages:

- Python (NumPy, Pandas, Matplotlib, scikit-learn)
- R (tidyverse)
- SQL

Statistics

- Descriptive
- Inferential
- Experimental design
- Time series
- Statistical modelling

Software

- Git/GitHub
- Linux
- MS Excel, Access