

Christopher Rife

San Bruno, CA - Email me on Indeed: [indeed.com/r/Christopher-Rife/5d56910e955a0cae](https://www.indeed.com/r/Christopher-Rife/5d56910e955a0cae)

Scientist with experience in data collection, cleaning, modeling, and visualization.
Authorized to work in the US for any employer

WORK EXPERIENCE

Data Analyst

Intrexon Corporation - May 2017 to Present

Development and optimization of Spotfire dashboards using IronPython.

Python Developer

Accelero Biostructures - February 2017 to Present

Python coding to create data processing workflows

Data Science Fellow

General Assembly - July 2016 to October 2016

Designed and completed a capstone project analyzing used car prices:

- Used web-scraping to automate data acquisition
- Built a linear regression model using Bayesian statistics that estimates the price for a used car and produces a price distribution for each class of vehicle
- Developed a recommendation engine using Natural Language Processing to suggest alternative vehicle choices based on several criteria
- Project page: <https://clrife.github.io>

Scientist II

DuPont Industrial Biosciences - June 2008 to January 2016

Initiated the development of workflows to process and visualize data from multiple types of experiments, reducing the amount of time needed to evaluate each experiment by 50%

- Presented clear and informative data analyses to local and global R&D teams
- Collaborated with team members to draft results for inclusion in patents
- Utilized structural and assay insights to influence site selection strategy during protein engineering campaigns, decreasing the amount of time needed for each round of protein design

Scientist

Joint Center for Structural Genomics at Stanford Synchrotron Radiation Lab - April 2004 to May 2008

Developed software that was deployed as web server to streamline the quality control process and increase throughput by 15%

- Participated in a highly collaborative environment where targets were regularly handed off to others at various stages of completion, requiring thorough record-keeping and regular communication

EDUCATION

Ph.D. in Biochemistry

Vanderbilt University - San Francisco, CA

BA in Chemistry

Whittier College - Whittier, CA

SKILLS

PYTHON (Less than 1 year), CLUSTERING (Less than 1 year), DATA MINING (Less than 1 year), DATA VISUALIZATION (Less than 1 year), EXPERIMENTAL DESIGN (Less than 1 year)

LINKS

<http://clrife.github.io>

<http://www.linkedin.com/in/clrife>

ADDITIONAL INFORMATION

SKILLS:

Python: pandas, numpy, scikit-learn, matplotlib, seaborn, jupyter

Machine learning: classification, regression, clustering, neural networks

Data Science: data mining, data visualization, experimental design, statistics