

Christina Holland

Atlanta, GA | clh@cholland.me | 512-589-9739 | <https://christinaholland.github.io>
<https://www.linkedin.com/in/christina-holland-7400a1140/>

DATA SCIENTIST

I am a tenacious problem solver and data scientist who looks for new ways to use data to improve the world around me. I am a fraud strategy data analyst with strong skills in analysis, visualization, and storytelling; a climate scientist with a PhD in physical oceanography and an extensive background in modeling and large databases; and a former high school mathematics teacher, able to convey complex concepts and results to both technical and non-technical audiences.

SKILLS & TOOLS

Data Acquisition: SQL, Alation, SQLiteStudio, MongoDB, Compass, JSON, DataBricks, RedShift

Analysis, Modeling: Python, Pandas, JMP, SciKit Learn, Jupyter Lab / Hub, Spyder, DataBricks Notebook

Storytelling: PowerBi, Excel, Tableau, Matplotlib, Seaborn, PowerPoint, Coda

Programming: Python, StreamLit, HTML, CSS, Javascript, C, Fortran

Systems: Jira, Confluence, Sharepoint, Slack, Teams, GitHub

EXPERIENCE

Oportun, Fraud Strategy Senior Analyst, 09/2021-present

Compiling large datasets from SQL, MongoDB, and other sources, analyzing trends and impacts, and working to shape new business strategies to reduce fraud losses and improve the customer experience. This position has allowed me to hone my skills in:

- Data Acquisition through SQL, MongoDB, Python
- Analysis and Modeling through python, JMP, DataBricks
- Visualization and storytelling through PowerBi, Excel, Coda
- Business/system tools including Jira, Coda, Sharepoint, Confluence

General Assembly, Data Science Immersive Graduate, 02/2021-05/2021

Applied data analysis and data visualization skills in a 500-hour immersive course, with experience in

- Exploratory data analysis and visualization
- Classification modeling with Naive Bayesian, Logistic Regression, KNN, Decision Trees, Random Forest, Bagging, AdaBoost, and Support Vectors
- Cosine Similarity analysis and Cluster analysis with KMeans and DBSCAN
- Text analysis with vectorizers and VADER sentiment analysis
- Predictive modeling using Linear Regression, Decision Trees, Random Forests, Neural Networks
- App deployment through StreamLit
- Collaborative projects: Portfolio available at christinaholland.github.io

Marietta High School, 08/2012-11/2020

High School Math Teacher

- General education, gifted/accelerated, and special education co-taught and self-contained
- Taught 12 different courses ranging from 9th-12th grade
- In collaboration with teachers within my department
- Professional Learning Community chair for Accelerated Math I course
- Professional Learning Community co-chair for Algebra II course
- Repeated Presenter at GaDOE IDEAS conference

Akins High School, 07/2008-07/2012

High School Math Teacher

- Designed and facilitated multiple academic projects within a project-based learning academy
- General education and pre-AP
- Taught 3 different courses, 10th-11th grade
- In collaboration with teachers within my department and the New Tech academy

The University of Texas, Institute for Geophysics, 07/2004-07/2008

Research Scientist

- Data analysis and computer modeling of climate variability on interdecadal scales using long temperature records in ocean corals, and of small scale ocean turbulence
- In collaboration with scientists at UTIG and Texas A&M
- Using Matlab, Fortran, and C
- Co-author on 2 peer-reviewed publications
- Presented at American Geophysical Union Fall meetings and AGU Ocean Sciences

The University of South Florida, College of Marine Science, 07/1996-07/2004

Graduate Research Assistant

- Data analysis and computer modeling of ocean eddies, and of heat transports in the tropical Pacific on interannual timescales
- In collaboration with scientists at USF, University of Hawaii, and NASA-Goddard
- Using Matlab, Fortran, and C
- First author on 3 peer-reviewed publications
- Presented at American Geophysical Union Fall meetings and AGU Ocean Sciences

EMPLOYMENT HISTORY

Oportun, Fraud Strategy Senior Analyst, Remote, 09/2021-present

Marietta High School, Math teacher, Marietta, GA, 08/2012-11/2020

Akins High School, Math teacher, Austin, TX, 07/2008-07/2012

The University of Texas, Institute for Geophysics, Research Scientist, Austin TX, 07/2004-07/2008

The University of South Florida, College of Marine Science, Graduate Research Assistant, St. Petersburg, FL, 07/1996-07/2004

The University of Hawaii, Graduate Research Assistant, Honolulu, HI, 08/1993-07/1996

EDUCATION

General Assembly, Data Science Immersive Graduate, Online, 02/2021-05/2021

The University of South Florida, Ph.D. Marine Science, St. Petersburg, FL, 07/1996-07/2004

The University of Hawaii, M.S. Physical Oceanography, Honolulu, HI, 08/1993-07/1996

Eckerd College, B.S. Physics and Mathematics, St. Petersburg, FL, 08/1989-06/1993