PIERRETTE LO, MS

I'm a scientist, communicator, and project manager with a passion for helping people work together and share their research. In the past 3 years, I've turned my focus on data, learning R, Markdown, Shiny, SQL, Git, and other tools that make data visualization and reporting more reproducible and collaborative.

I'm looking for a position where I can build tools that help my team explore and share their data, while continuing to grow my programming skills.

🎓 EDUCATION

2002

MS, Biochemistry & Molecular Biology
University of Texas Health Science Center at Houston (UTHealth)

📍 Houston, TX

1999

BSc(Hon), Cellular, Molecular & Microbial Biology
University of Calgary

📍 Calgary, AB

💻 EXPERIENCE

current | 2019

Data & Collaborations Project Manager, Druker Lab
OHSU Knight Cancer Institute

📍 Portland, OR

- Serves as project manager for our lab's industry research partnerships, with additional data science-related responsibilities
- Uses R, SQL, and other tools to improve reporting and visualization of our large clinical/functional/genomic datasets
- Develops and implements standards and best practices for reproducible research (data organization, metadata, documentation, etc.)
- Assists colleagues in learning R and other open-science tools (including leading a weekly R study group), and builds a community of practice for collaborative learning

2019 | 2013

Alliance Manager, Brian Druker Lab
OHSU Knight Cancer Institute

📍 Portland, OR

- Manages industry and academic collaborations for Beat AML, a multi-institutional effort to build and analyze large datasets for leukemia research and translate the findings into precision medicine clinical trials
- Writes and edits project reports, grant proposals, slide decks, manuscripts, and other communications

2018 | 2017

Data Science Intern
Recentia Health

📍 Portland, OR

- Part-time internship working on clinical data science projects at a healthcare informatics startup
- Obtained first experience with many topics, including wrangling/cleaning large datasets (sed, awk, SQL), statistical analysis (R), ontologies and graph theory (Neo4j), and mining health records data (parsing XML; using NLP)

SKILLS

📊 **Programming:** R, tidyverse, ggplot, Rmarkdown, Shiny, SQL, Git

✏️ **Communications:** Scientific writing & editing, data visualization & reporting

🔧 **Project Management:** Coordinating teams, organizing data & metadata, building communities

2013
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2010

Sr. Manager, Medical Writing/Medical Affairs
Imedex, LLC   📍 Remote (HQ in Alpharetta, GA)

· Wrote educational needs assessments, developed medical/scientific content, and managed the production of live and online continuing medical education programs, with a focus on oncology/hematology

2010
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2002

Scientific Writer/Editor
Various

· Scientific Grant Writer, Texas Heart Institute (2007-2008)
· Associate Scientific Editor, MD Anderson Cancer Center (2004-2007)
· Copy Editor, Nature Medicine (2002-2004)
· AAAS Science & Engineering Mass Media Fellowship at NBC-TV (2002)

🎖 ACCOMPLISHMENTS AND AWARDS

2019

Spirit of the Knight Award
OHSU Knight Cancer Institute

· Peer-nominated award recognizing individuals for exceptional embodiment of the Knight Cancer Institute's guiding principles (in my case, *Working as a Connected Team*)

2018

BMI 569: Health Data Analytics
OHSU Dept. of Medical Informatics & Clinical Epidemiology

· Completed this graduate-level course that explored the role of data analytics in healthcare organizations through lectures, discussions, and a hands-on data analysis project using R and SQL.

📖 SELECTED PUBLICATIONS AND PRESENTATIONS

Functional genomic landscape of acute myeloid leukaemia[3]

· Tyner et al., Nature 2018;562:526-31
· Public release of our Beat AML multi-omic dataset – the largest of its kind for acute myeloid leukemia

2018

Lightning Talk
Cascadia R Conference 2018

· My entry[4] in the cRaggy graphics show & tell was selected for a lightning talk by participant voting

🔗 LINKS

Examples of my work are available on my GitHub[1] or website[2], or upon request.

1: https://github.com/lopierra
2: https://lopierra.rbind.io/
3: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6280667/
4: https://github.com/lopierra/biketown