

Grace Olive Lawley

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EDUCATION

PHD, COMPUTER SCIENCE & ENGINEERING | OREGON HEALTH & SCIENCE UNIVERSITY (OHSU)

Expected June 2022 • Portland, OR

Advisor: Steven Bedrick (formerly Jan van Santen)

BA, MATHEMATICS • LEWIS & CLARK COLLEGE

June 2017 • Portland, OR

Advisor: Paul T Allen

RESEARCH EXPERIENCE

GRADUATE RESEARCH ASSISTANT | CENTER FOR SPOKEN LANGUAGE UNDERSTANDING, OHSU

Sept 2019 - Present

Participating in NIH funded research on Autism Spectrum Disorder, Fragile X Syndrome, and Down Syndrome (Automated Measurement of Language Outcomes for Neurodevelopmental Disorders, award number R01DC012033). Combined and standardized 14 corpora from the CHILDES database [\[1\]](#) to develop a corpus of child speech.

RESEARCH INTERN | CENTER FOR SPOKEN LANGUAGE UNDERSTANDING, OHSU

Jan 2017 - June 2017 • June 2016 - Aug 2016

Participated in Autism Spectrum Disorder research under the supervision of Jan van Santen. Analyzed transcribed interviews with children with Autism and developed an automated method to detect and quantify atypical word usage using natural language processing techniques.

TEACHING EXPERIENCE

RSTUDIO | WORKSHOP TEACHING ASSISTANT • RSTUDIO::CONF 2019

Jan 15-16, 2019 • "What They Forgot to Teach You About R"

A two day hands-on workshop on project-orientated workflows, version control with Git & GitHub, debugging, personal R administration, and iterating with the purrr package. [\[1\]](#) [\[2\]](#)

OREGON HEALTH & SCIENCE UNIVERSITY | GRADUATE TEACHING ASSISTANT

Summer 2018 • Introduction to Biostatistics for the Basic Sciences

A course on data wrangling, statistical analysis, data visualization, and communication of biomedical data using the programming language R for graduate students. [\[1\]](#) [\[2\]](#)

AWARDS & HONORS

PROMISING SCHOLAR AWARD | OREGON HEALTH & SCIENCE UNIVERSITY

May 2017 • \$1,000

PI MU EPSILON NOMINATION | DEPARTMENT OF MATHEMATICAL SCIENCES, LEWIS & CLARK COLLEGE

Nov 2016

MILLER INTERNSHIP AWARD | LEWIS & CLARK COLLEGE

Summer 2016 • \$4,600

INVITED TALKS

A SENTIMENT ANALYSIS OF CHILD LANGUAGE ACQUISITION DATA

Aug 2018 • Portland R User Group • OHSU Data Viz Lab Talk Nights • [\[1\]](#)

CONFERENCE & WORKSHOPS ATTENDED

RSTUDIO::CONF 2019

Jan 15-16, 2019 • Austin, TX

5TH PACIFIC NORTHWEST REGIONAL NATURAL LANGUAGE PROCESSING WORKSHOP (NW-NLP)

Feb 9, 2018 • Redmond, WA

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

- Pi Mu Epsilon (US Honorary National Mathematics Society)
- Women in Science Portland
- R-Ladies PDX

ADDITIONAL EXPERIENCE

CAMP ODAKODA BY ASD OREGON | CABIN COUNSELOR

Aug 2018 • Sisters, OR

Overnight summer camp for children with high functioning Autism Spectrum Disorder 

SKILLS

- R, Python, Git/GitHub, R Markdown
- Data Analysis, Data Wrangling, Data Visualization







CERTIFICATIONS

- Data Analyst with R • DataCamp
- R Programming • DataCamp
- Data Manipulation with R • DataCamp
- Importing & Cleaning Data with R • DataCamp

ACADEMIC INTERESTS

- Computational Linguistics
- Autism Spectrum Disorder
- Discrete Mathematics
- Data Science
- Data Visualization

CONTACT

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