

# Grace Olive Lawley

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## INTERESTS

- Computational Linguistics
- Natural Language Processing
- Speech and Language Disorders
- Discrete Mathematics
- Statistics
- Data Science

## SKILLS

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

## CONTACT

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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

May 2017 • Portland, OR

- Advisor: Paul T Allen

## RESEARCH EXPERIENCE

### **GRADUATE RESEARCH ASSISTANT** | CENTER FOR SPOKEN LANGUAGE UNDERSTANDING, OHSU

Sept 2019 - Present

- Combined and standardized 14 corpora from the CHILDES database [📄](#) to develop a corpus of child speech
- Participating in NIH funded research on Autism Spectrum Disorder, Fragile X Syndrome, and Down Syndrome
- NIH R01DC012033-07: Automated Measurement of Language Outcomes for Neurodevelopmental Disorders [📄](#)

### **RESEARCH INTERN** | CENTER FOR SPOKEN LANGUAGE UNDERSTANDING, OHSU

Jan 2017 - June 2017; June 2016 - Aug 2016

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

## TEACHING EXPERIENCE

### **RSTUDIO** | WORKSHOP TEACHING ASSISTANT • RSTUDIO::CONF 2019

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

- Assisted in 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 [📄](#) [🔗](#)

### **OREGON HEALTH & SCIENCE UNIVERSITY** | GRADUATE TEACHING ASSISTANT

Summer 2018 • Introduction to Biostatistics for the Basic Sciences

- Assisted in a course on data wrangling, statistical analysis, data visualization, and communication of biomedical data using the programming language R for graduate students. [📄](#) [🔗](#)

## INDUSTRY EXPERIENCE

### **RSTUDIO** | SUMMER INTERN

June 2019 - Sept 2019 • "Tidy Practice" with Alison Presmanes Hill

- "Develop practice projects for learners to tackle to practice tidyverse (or other) skills using interesting real-world data." [📄](#)

## AWARDS & HONORS

### **PROMISING SCHOLAR AWARD | \$1,000**

May 2017 • Oregon Health & Science University

### **PI MU EPSILON**

Nov 2016 • Department of Mathematical Sciences, Lewis & Clark College

### **MILLER INTERNSHIP AWARD | \$4,600**

Summer 2016 • Lewis & Clark College

## INVITED PRESENTATIONS

### **"MATH MEETS DATA" | INVITED SPEAKER**

Apr 2019 • Lewis & Clark College • Mathematical Sciences Colloquium • [📄](#)

### **STEM GRADUATE SCHOOL EXPERIENCE PANEL | INVITED PANELIST**

Apr 2019 • Lewis & Clark College • Gender Minorities in STEM (GemSTEM) Club

### **"A SENTIMENT ANALYSIS OF CHILD LANGUAGE ACQUISITION DATA" | INVITED SPEAKER**

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

## DEPARTMENTAL TALKS

### **"PEDANTIC SPEECH IN CHILDREN WITH AUTISM SPECTRUM DISORDER"**

May 2019 • Center for Spoken Language Understanding • OHSU

## 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

- Worked as a cabin counselor at a five-day-long overnight summer camp for children with high functioning Autism Spectrum Disorder [📄](#)