

# 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  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.  

### **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.  

## 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

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

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

**INVITED SPEAKER | A SENTIMENT ANALYSIS OF CHILD LANGUAGE ACQUISITION DATA**  
Aug 2018 • Portland R User Group • OHSU Data Viz Lab Talk Nights • 

## 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, Prolog
- 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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