

## EDUCATION

**University of Washington**, Seattle, WA  
Ph.D., Biostatistics, June 2024 (Expected)

**Grinnell College**, Grinnell, IA  
B.A., Mathematics, May 2018

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## HONORS AND AWARDS

### University of Washington

National Science Foundation Graduate Research Fellowship, March 2021  
Department of Biostatistics Merit Award, April 2019  
ARCS Foundation Scholar, April 2019

### Grinnell College

Grinnell College Linn Smith Prize in Mathematics, April 2018  
Honors in Mathematics, May 2018  
Phi Beta Kappa Member, April 2017  
Goldwater Scholarship, March 2017  
Grinnell College Pamela Ferguson Prize in Mathematics, February 2017  
Phi Beta Kappa Beta Chapter of Iowa Sophomore Book Award, April 2016

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## RESEARCH EXPERIENCE

**Graduate Student Researcher**, (Unfunded) September 2021 – Present  
Department of Biostatistics, University of Washington, Seattle, WA  
Supervisor: Susan Shortreed, Ph.D.

**Graduate Student Researcher**, (Unfunded) September 2020 – Present  
Department of Biostatistics, University of Washington, Seattle, WA  
Supervisors: Alex Luedtke, Ph.D. and Marco Carone, Ph.D.

**Graduate Research Assistant**, March 2020 – September 2021  
Department of Biostatistics, University of Washington, Seattle, WA  
Supervisor: Susan Shortreed, Ph.D.

**Student Researcher**, June 2017 – August 2017

Institute for Pure and Applied Mathematics RIPS Program, Hong Kong

Supervisor: Albert Ku, Ph.D.

**Student Researcher**, May 2016 – August 2016

Department of Mathematics, North Carolina State University, Raleigh, NC

Supervisor: Hien Tran, Ph.D.

**Student Researcher**, May 2015 – July 2015

Mathematics and Statistics Dept., University of North Carolina Greensboro, Greensboro, NC

Supervisor: Jan Rychtář, Ph.D.

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**TEACHING EXPERIENCE****University of Washington**

Teaching Assistant

Biostatistics 310: Biostatistics for the Health Sciences Winter 2022

Biostatistics 310: Biostatistics for the Health Sciences Winter 2020

Biostatistics 310: Biostatistics for the Health Sciences Fall 2019

**Grinnell College**

Grader

Mathematics 295: Introduction to Data Science Spring 2018

Mathematics 310: Statistical Modeling Fall 2017

Course Mentor

Mathematics 209: Applied Statistics Fall 2015

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**OTHER RELEVANT EXPERIENCE****Trainee**, September 2019 – September 2020

Biostatistics, Epidemiologic, and Bioinformatic Training in Environmental Health, Seattle, WA

**VISTA Data Coordinator**, June 2018 – July 2019

Alexian Brothers Housing and Health Alliance, Chicago, IL

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## PRESENTATIONS

### **Efficient Communication in Distributed Machine Learning**

Lecture presented at:

Nebraska Conf. for Undergraduate Women in Mathematics, Lincoln, NE, January 27, 2018  
Grinnell Mathematics and Statistics Student Seminars, Grinnell, IA, February 6, 2018

Poster presented at:

Joint Mathematics Meetings, San Diego, CA, January 12, 2018

### **Machine Learning for the Classification of Toxicological Effects**

Lecture presented at:

Grinnell Mathematics and Statistics Student Seminars, Grinnell, IA, September 14, 2016  
Joint Mathematics Meetings, Atlanta, GA, January 7, 2017

### **Machine Learning, Nash Equilibria, and Derangements: The Territorial Raider Game**

Lecture presented at:

Grinnell Mathematics and Statistics Student Seminars, Grinnell, IA, October 6, 2015  
UNCG Regional Mathematics and Statistics Conference, Greensboro, NC, November 7, 2015  
Joint Mathematics Meetings, Seattle, WA, January 8, 2016  
Nebraska Conf. for Undergraduate Women in Mathematics, Lincoln, NE, January 31, 2016

### **The Territorial Raider Model with Strategic Movement and Multi-Group Interactions**

Poster presented at:

Intl. Symposium on Biomath. and Ecology Edu. and Research, Normal, IL, October 9, 2015  
Joint Mathematics Meetings, Seattle, WA, January 8, 2016

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## PUBLICATIONS

Wu, J., **Galanter, N.**, Shortreed, S. M., Moodie, E. E. M. (2021). Ranking tailoring variables for constructing individualized treatment rules: an application to schizophrenia. *Journal of the Royal Statistical Society: Series C*.

<https://rss.onlinelibrary.wiley.com/doi/10.1111/rssc.12533>

**Galanter, N.**, Silva, D., Jr., & Rowell, J., Rychtář, J. (2017). Resource Competition Amid Overlapping Territories: The Territorial Raider Model Applied to Multi-Group Interactions. *Journal of Theoretical Biology*.

<http://dx.doi.org/10.1016/j.jtbi.2016.10.007>

**Galanter, N.**, Silva, D., Jr., Rychtář, J., & Rowell, J. (2016). The Territorial Raider Game and Graph Derangements. *Discrete Applied Mathematics*.

<http://dx.doi.org/10.1016/j.dam.2016.03.016>

**PROFESSIONAL SERVICE****University of Washington**

Co-leader, Statisticians and Biostatisticians of Underrepresented Genders, Oct. 2020 – Present  
Member, Biostatistics Equity, Diversity, and Inclusion Committee, September 2019 – Present  
Member, Biostatistics Activities and Events Squad, February 2019 – Present  
Senator, Grad. and Professional Student Senate, Sept. 2019 – June 2020; Sept. 2021 – Present

**Grinnell College**

President, Mathematics Student Educational Policy Committee, August 2017 – May 2018  
Member, Mathematics Student Educational Policy Committee, August 2016 – December 2016

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**TECHNICAL SKILLS**

**Programming Languages:** R, MATLAB, LaTeX, Java, C, VBA

**Software:** JAGS, Microsoft Access