

## Education

- In progress: Ph.D., Mathematics  
Georgia State University, Atlanta, GA 2018 - present  
GPA: 4.11
- Mathematical Engineer  
University of Concepcion, 2017
- B.Sc. in Mathematical Engineer  
University of Concepcion, 2016

## Academic Employment

- Graduate Teaching Assistant  
Georgia State University, 2020 - present  
*Multivariate Calculus, Elementary Statistics, Calculus in One Variable I and II, Precalculus, Quantitative Reasoning, College Algebra*
- Graduate Research Assistant  
Georgia State University  
Work with Dr. Michael Stewart, 2019-present  
Work with by Ms. Sutandra Sarkar, 2022
- Volunteer International Student Assistant Leader  
Georgia State University, 2019 - 2022
- Graduate Lab Assistant  
Mathematics Assistance Complex, Georgia State University, 2018 - 2019
- Science Communicator  
University of Concepcion, 2013 - 2017

## Industry Employment

- Project Manager: Early stages of the “Corazonada” project  
Hibring, Chile, 2018
- Internship: Prototyping a text recognition software in Matlab  
Unilink Solutions, Chile, 2015
- Internship: Optimization of marine waves models algorithms in Matlab  
Coast and Port Department, GHD Group, Chile, 2014

## Publications

- Benitez, F., Aracena, J., & Caro, C. T. (2018). The sitting closer to friends than enemies problem in the circumference. arXiv preprint arXiv:1811.02699

## Conference talks

- Signed Graph Embedding on the Circumference  
XIII Summer School in Discrete Mathematics, University of Chile, 2018
- Signed Graph Embedding on the Circumference  
Mathematical Engineer National Meeting (ENIM), University of Chile, 2017
- Sitting Closer to Friends than Enemies in the Circumference  
ENIM, Federico Santa Maria Technical University, 2016

## Conference attendances

- XIII Summer School in Discrete Mathematics  
University of Chile, 2018
- XII Summer School in Discrete Mathematics  
University of Chile, 2017
- III Winter School in Engineer Systems  
University of Chile, 2014

## Awards and honors

- International Graduate Student of the Year  
Georgia State University, 2023
- Graduate Assistantship  
Georgia State University, 2018 - present
- Mathematical Engineering Scholarship  
University of Concepcion, 2010

## Grants

- Partial grant by CONICYT-Chile through Fondecyt project 1151265  
to support “The sitting closer to friends than enemies problem in the circumference”

## Organizations

- Member, Mathematical Association of America  
Graduate Student Membership, 2018 - present
- Member, American Mathematical Society  
Graduate Student Membership, 2018 - present
- Member, Lambda Theta Phi Latin Fraternity, Inc.  
Lambda Mu Alumni Chapter, 2021 - present