

# Rosvid S. Herrera Tenorio

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EDUCATION	<b>Duke University</b> · <i>Durham, NC</i> <ul style="list-style-type: none"><li>▪ B.S. in Statistical Science and Minor in Sociology</li><li>▪ Selected Coursework: Bayesian and Modern Statistics, Data Science and Society, Machine Learning and Data Mining, Social Stratification (Graduate Level), Sociology of Racism in America</li></ul>	Expected: May 2021
INTERESTS	Race, Ethnicity, & Immigration; Neighborhoods; Quantitative Methods	
RESEARCH EXPERIENCE	<b>Senior Thesis - Researcher</b> <i>Duke Department of Sociology<sup>1</sup> · Duke Department of History<sup>2</sup></i> <ul style="list-style-type: none"><li>▪ Committee: Scott Lynch<sup>1</sup>, Cecilia Márquez<sup>2</sup>, &amp; Tyson Brown<sup>1</sup></li><li>▪ Investigating group heterogeneity in neighborhood choice preference among Latin American immigrants in the U.S. South</li><li>▪ Conducting latent class regression models to explore unobserved preference heterogeneity with observed housing qualities</li><li>▪ Reviewing literature on post-1965 immigration policies and the sociological theories of spatial assimilation and place-stratification</li></ul>	August 2020 – Present
	<b>Summer Research Fellow</b> <i>Data+ Program · Rhodes Information Initiative at Duke</i> <ul style="list-style-type: none"><li>▪ Explored Latinx alt-right ideology on online forums and social media</li><li>▪ Web-scraped 8,000+ Stormfront posts and organized text into informative data frames by intricately parsing through forums</li><li>▪ Employed lemmatization &amp; stemming of words, and performed latent Dirichlet allocation (LDA) to reveal latent themes across posts</li><li>▪ Co-presented findings on themes of race, class, and war at an Expo</li></ul>	May – July 2020
	<b>Independent Study - Researcher</b> <i>Duke Department of Statistical Science</i> <ul style="list-style-type: none"><li>▪ Analyzed latent class multinomial regression models to further intra-metropolitan residential segregation and assimilation research</li><li>▪ Reviewed contemporary literature on discrete choice modeling approaches to understand residential choice behavior</li><li>▪ Submitted a 10-page paper on statistical results and future research</li></ul>	January – May 2020
TEACHING EXPERIENCE	<b>Teaching Assistant</b> <i>Duke Department of Statistical Science</i> <ul style="list-style-type: none"><li>▪ Invited as a returning assistant (SP19, FA19, SP20, FA20, SP21)</li><li>▪ Host weekly 2-hour office hours and facilitate applications in R</li><li>▪ Grade approximately 10 hours/week worth of homework and labs</li><li>▪ Co-led a 75-minute weekly lab (F19, SP21)</li></ul>	January 2019 – Present

WORK  
EXPERIENCE

**Software Engineering Intern**

May – August 2019

*Twitter · San Francisco, CA*

- Researched methods to organize 400 million+ entries of product, finance, and internal data for the Cloud Infrastructure Management team using Presto-SQL aggregator functions
- Forecasted monthly cloud infrastructure spending using autoregressive (AR-process) machine learning models
- Presented modeling results to Research and Development executives
- Volunteered at the Twitter NeighborNest and St. Anthony Foundation after work and during holidays consistently

**Summer Program Intern**

June – August 2018

*Waipā Foundation · Duke Engage · Hanalei, HI*

- Collaborated with local watershed experts to restore acres of taro fields after the 2018 flood on the north shore of Kauaʻi
- Coordinated the production and distribution of 2,000+ garden-to-table lunches for Waipā Hoʻolana Summer Program participants
- Collected, organized, and assisted with calculating tax information for a non-profit tax audit
- Volunteered at the Limahuli Garden & Preserve and Kīlauea National Wildlife Refuge on weekends consistently

LEADERSHIP  
EXPERIENCE

**Board Member**

June 2020 – Present

*Sanford Community Freedom Coalition (SCFC)*

- Collaboratively worked with local activists, interfaith leaders, and members of the community to establish the SCFC to address community concerns in the Sanford/Lee County area in NC
- Organized “Get Out the Vote” initiatives with local Democratic Party leaders at three community events and assisted with 200+ Thanksgiving holiday dinners at the local food bank

**Co-Founder & Director**

April 2020 – Present

*Lee County Ready for College Initiative (LCRFCI)*

- Filmed and edited live comprehensive YouTube videos to assist and inspire local high school students and college advisors with the college admissions process during COVID
- Co-led a team of seven college students throughout the summer by organizing weekly meetings, developing scripts with relevant information, and delegating tasks to communicate with the local school board and businesses for marketing purposes
- Currently working with myFutureNC, a state-wide initiative to close the college educational attainment gap in North Carolina, to create first-generation student panels across the state

UNIVERSITY  
SERVICE

**President & Former Secretary** March 2020 – Present  
*Define American Chapter at Duke*

- Co-led monthly workshops with Dr. Li-Chen Chin, Assistant Vice President for Intercultural Programs, to over 100 administrators on the importance of supporting undocumented students at Duke
- Curated an art exhibit titled “Building Bridges” to highlight the theme of migration in contemporary literature in collaboration with the Representing Migration Humanities Lab in the Duke English Department and Student Action with Farmworkers (SAF)

**President** March 2020 – Present  
*Duke German Club*

- Supervised annual budget requests through Duke Student Government for weekly German activities
- Organized two virtual Oktoberfest activities to promote German culture and language acquisition

**Publicity Chair** August 2019 – March 2020  
*Mi Gente – Duke’s Official Latinx Student Association*

- Streamlined community interactions by integrating Slack metrics and applications to increase productivity within the organization
- Created Adobe Creative Cloud, Teamline, and Google Suite application templates for each executive committee

**Former Senator** April 2018 – August 2019  
*Duke Student Government*

- Developed Duke’s first website with comprehensive resources and information for undocumented students with key administrators: [studentaffairs.duke.edu/undocumented-students](http://studentaffairs.duke.edu/undocumented-students)
- Met weekly for three hours with other senators to debate, amend, and vote legislation that impacts over 6,000 students

**Presidential Review Committee** November 2020 – Present  
*Board of Trustees · Duke University*

- Selected internally as the sole undergraduate student by the Board of Trustees to serve on the committee that reviews President Vincent Price’s first term of service

**Committee on Facilities and Environment** April 2018 – August 2019  
*Board of Trustees · Duke University · Duke Student Government*

- Selected as one of two senators to serve on the committee that oversees projects on all facilities, including dorms, as well as year-round construction and renovation projects

## AWARDS AND HONORS

### **Emory Learning About Laney Scholar**

September 2020

*James T. Laney Graduate School at Emory University*

- Selected as 1 of 60 prospective graduate school applicants from a highly competitive pool to participate in a fully-funded, facilitated exploration of graduate programs at Emory University

### **Princeton University P3 Scholar**

August 2020

*Office of Access, Diversity & Inclusion at Princeton University*

- Selected as 1 of 38 prospective graduate school applicants from a highly competitive pool to participate in a fully-funded, facilitated exploration of graduate programs at Princeton University

### **Excellence in Scholarship Award**

April 2020

*Duke Mi Gente 2020 Latinx Awards*

- Awarded for demonstrated outstanding leadership through academic achievement and/or academic research; Mi Gente Latinx Award recipients are identified through a nomination process

### **Hack Duke 1<sup>st</sup> Place Winner**

October 2018

*Major League Hacking Corporation*

- Placed first out of 19 teams in the Inequality Track for developing a website with R Shiny and JavaScript embeddings to provide streamlined opportunities for women to engage in politics

### **David M. Rubenstein Scholar**

June 2017

*Duke Office of University Scholars and Fellows (OUSF)*

- Competitive, full merit-based scholarship at Duke for first-generation, limited-income students that includes a six-week pre-orientation summer program, enrichment funding, and two fully-funded, Duke-sponsored summer experiences
- Scholars are selected for outstanding achievement, resilience, and commitment to social engagement

### **Golden Door Scholar**

May 2017

*Golden Door Scholars Program*

- Awarded for academic success, leadership quality, and determination; recipients are undocumented students with DACA, TPS, or meet certain immigration eligibility criteria

## SKILLS

### **Languages**

Native Spanish, Native English, Limited-working German, Basic French

### **Technical**

R, Python, Java, SQL (mySQL, Presto), Scala, Tableau

### **Packages**

R (gam, MASS, miceadds, olsrr, poLCA, rtweet, topicmodels, lme4)

### REFERENCES

#### **Maria Tackett, Ph.D.**

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#### **Amy Herring, Sc.D.**

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