

Freyja A. Brandel-Tanis

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EDUCATION

Master of City and Regional Planning Expected graduation May 2022

Master of Science in Civil Engineering

Georgia Institute of Technology, *Atlanta, GA*

Specializing in Transportation Planning and Transportation Systems Engineering

Bachelor of Arts May 2018

Saint Olaf College, *Northfield, MN*

Major in Mathematics, Concentration in Nordic Studies

Cum Laude; Dean's List Fall 2015, Spring 2016, and Spring 2018

WORK EXPERIENCE

Community Development Intern May 2021 – Present

City of Douglasville, *Douglasville, GA*

- Collaborate with city departments related to sustainability to improve inter-department communication
- Organize a framework for progressing the City's status in ARC's Green Communities program
- Review building and landscaping plans and traffic studies for new and proposed developments
- Optimize in-house data accessibility using ArcGIS Online, R, and Shiny

Graduate Research Assistant (GRA) January 2021 – May 2021

Dr. Jennifer Singh at Georgia Tech, *Atlanta, GA*

- Designed and programmed [an interactive map of autism services](#) in Georgia using R, Shiny, Leaflet, and SQL
- Cleaned and aggregated [medical service, transportation, and demographic data](#) from public and independent sources

Transportation Planning Intern May 2020 – December 2020

Modern Mobility Partners, *Atlanta, GA*

- Analyzed data and performed quality assurance in ArcMap, Excel, and R for current projects and proposals
- Determined best practices to improve in-house analyses and [cowrote a white paper on anti-displacement strategies](#)
- Recommended R and Shiny to supervisors and built analysis applications for in-house use and client projects

Graduate Research Assistant (GRA) August 2019 – April 2020

Dr. Catherine Ross at Georgia Tech's Center for Quality Growth and Regional Development (CQGRD), *Atlanta, GA*

- Prepared data from public sources and partner organizations using R and Excel for transportation projects
- Composed and presented literature reviews and reports to support Center research and proposals

AmeriCorps Construction Volunteer Facilitator September 2018 – August 2019

Twin Cities Habitat for Humanity, *St. Paul, MN*

- Supervised and instructed volunteers ranging from teenagers to senior citizens on construction sites
- Adapted my instructions and facilitation to meet the needs of the volunteers and discuss the affordable housing crisis

CAMPUS INVOLVEMENT

Student Planning Association (SPA) President, *Georgia Tech* May 2020 – May 2021

- **President** of the APA's 2021 Outstanding Planning Student Organization Award-winning board
- Planned events and ensure initiatives align with SPA's mission statement, values, and commitment to racial equity
- Worked closely with department leadership and students to improve the program and promote student needs

TOOLS

Software: R (Tidyverse, Shiny, SF), ArcGIS, Python, Adobe Creative Cloud, LaTeX, HTML, Sketchup, SQL

Skills: Project Management, Writing, Interpersonal Communication, Group Facilitation, Survey Design and Analysis

PUBLICATIONS AND PROJECTS

Todd, K., F. Brandel-Tanis, D. Arias, and K. Watkins. Deadhead Minimization with a Flexible Facility Locator Tool. Presented at 100th Annual Meeting of the Transportation Research Board, Online, 2021.

Manuscript accepted for publication in the Transportation Research Review.

PDFs and information on more projects are available [on my website](#).