

# Jessica “Cait” Boyer

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(928) 814-2518

## Education

**B.S. Environmental Science** December 2016  
**The University of Arizona**  
Land, Air, and Water Emphasis  
*Summa Cum Laude*

**M.S. Geographic Information Systems Technology** Expected August 2021  
**The University of Arizona**  
4.0 GPA

## Professional Experience

*GIS Intern* October 2020--  
**City of Tucson**  
Working closely with IT and water departments along with the Office of the Mayor, developed a GIS model that calculates a Tree Equity Score index for Tucson neighborhoods. The index incorporates existing and goal tree canopies with vulnerability factors to determine the most in-need neighborhoods in Tucson. It will be used to inform the Tucson Million Trees initiative on where tree planting efforts should be focused.

*Research Assistant* March 2021--  
**School of Government and Public Policy**  
**The University of Arizona**  
Developed web GIS dashboards displaying temporal violence in Colombia, Mexico and Afghanistan. Developed a model to iteratively measure distance from capital cities to nearest areas of violence to be used in future statistical analyses.

*Teaching Assistant* March 2021--  
**School of Geography, Development, and Environment**  
**The University of Arizona**  
Grading and tutorial development for GIST 314: Cartographic Design and Production.

*Systems Administrator & Business Analyst* January 2017-March 2019  
**Civano Growers**  
Implemented and managed an accounting, inventory, and sales program designed for nurseries. Managed a product catalog of over 2,500 items. Supervised a team of two inventory specialists. Oversaw and managed all systems in the IT department, including a server with 25+ users and an advanced wireless network. Extensive use of MS Excel and Photoshop programs for data analysis and graphic design. Built and managed company website, [civanogrowers.com](http://civanogrowers.com).

## Certificates

*Certified Associate Professional Soil Scientist #511070* 2016  
**Soil Science Society of America**

## Service

*Marketing Committee Chair* January 2016- December 2016  
Students for Sustainability  
**The Associated Students of the University of Arizona**  
Oversaw student committee members, developed and executed marketing projects and techniques, managed and updated all social media accounts. Head graphic designer.

## Awards & Honors

John Buttery Award March 2021  
*For excellence in GIS, recognizing performance in related courses and service to the School or community.*  
**School of Geography, Development & Environment**

Highest Academic Distinction Award 2015, 2016  
**College of Agriculture and Life Sciences**