



## INFO

(512) 694-2714

james.rainesii@ucdenver.edu

<https://github.com/lorax521>

<https://jraines521.wixsite.com/jamesraines>

<https://www.linkedin.com/in/james-raines-95aa8157/>

## PROFESSIONAL SKILLS



## PROGRAMMING



## WEB GIS



## RDBMS



# JAMES RAINES

## GEOGRAPHER



## EXPERIENCE

2017 - present

### GRADUATE RESEARCHER

University of Colorado Denver | USGS with CESU agreement

Awarded a grant to study land use/cover change in monarch butterfly migration habitat.

2016 - 2017

### TEACHING ASSISTANT & GEOSPATIAL TUTOR

University of Colorado Denver

Courses taught:

GEOG 4081/5081 Cartography; GEOG 4080/5080 GIS

Developed course material, administered lectures, and tutoring

2016 - 2016

### TRANSPORTATION & MOBILITY PLANNING

City and County of Denver

Developed python scripts to automate workflow of large datasets (200,000+ features). Performed GIS services to inform multi-year plans for Denveright and Vision Zero.

2015 - 2016

### PROGRAM COORDINATOR

Central Texas Food Bank

Managed the Mobile Pantry Distribution program delivering 3-million pounds of food to 21 counties annually. Used GIS to inform a 3-year program expansion plan, designating 60 new sites. Developed policy, cultivated agency partnerships, and supervised trainings and distributions

2012 - 2015

### OPERATIONS

Microsoft

Oversaw a 2-million dollar supply chain. Managed databases for business projections, inventory, and archives. Performed audits, and led workshops.



## EDUCATION

In progress

### MASTER OF GEOGRAPHY AND GEOSPATIAL SCIENCE

University of Colorado Denver; 4.0 GPA

Master's GISci Certificate - in progress

Gamma Theta Upsilon - International Geography Honor Society  
CLAS Dean's Advisory Council - GES Graduate Representative  
STEM accredited Professional Science Master's degree (PSM)

2015

### BACHELOR OF GEOGRAPHY

University of Texas at Austin

Emphasis in GIS and sustainability

Minor in Government

2010

### ASSOCIATE OF SCIENCE

Northwest Vista College San Antonio; 3.9 GPA

Phi Theta Kappa Honor Society



## PROJECTS

---

2017 - present

### FOSS4G WEBSITE EDITOR

University of Colorado Denver

Managed content for the university's FOSS4G website.

URL: <https://geospatial.ucdenver.edu/foss4g/>

2017

### WEB MAP APP DEVELOPER

Environmental Center at Fort Lewis

Developed a dynamic open-source web map application to promote gleaning and local food initiatives.

URL: <https://lorax521.github.io/DurangoGleaning/>

2017

### REMOTE SENSING ANALYSIS

In response to Missionary Ridge Fire of 2003

Analyzed the recovery areas after the Missionary Ridge Fire of 2003. Performed through open-source programming.

2015

### RESEARCH ASSISTANT

University of Texas at Austin

Researched conservation methods for the Andean Cloud Forest of Ayabaca, Peru. Additionally, analyzed the efficacy of the Payments for Ecosystem Services program for the Osa Peninsula of Costa Rica

2013 - 2016

### FOUNDER/OWNER/CFO

Austin Audio Cooperative

Founded an audio/visual event production company.

Managed events with 1000+ people. Strategized company direction, built partnerships, and designed accounting and inventory applications.