

# Tasos Tentoglou

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Environmental Engineering undergraduate at UC Merced seeking graduate opportunities in remote sensing.

## EDUCATION

### University of California, Merced

*B.S. Environmental Engineering*

**Merced, CA**

*December 2021*

### Affiliations and Organizations:

Earth Observation and Remote Sensing Lab (EORS), Engineers for a Sustainable World (ESW)

## WORK EXPERIENCE

### National Aeronautics and Space Administration - NASA

*DEVELOP - Remote Sensing Researcher*

**Mountain View, CA**

*June 2021 – Aug 2021*

- Collaborated with Louisiana Department of Natural Resources and Coastal Protection and Restoration Authority in the development of an extensive and user-friendly Google Earth Engine GUI.
- Attended software carpentry lessons to improve JavaScript and Python coding abilities and worked virtually on a team of 5 individuals over the duration of the 10-week term.

### University of California, Merced

*EORS - Undergraduate Researcher*

**Merced, CA**

*Jan 2021 – Current*

- Utilized NASA Earth Observations through Google Earth Engine in analyzing burn severity and albedo change concerning California wildfires.
- Collected and processed hyperspectral UAV imagery for precision agricultural orchard applications.

*Library Student Specialist, Digital Curation and Scholarship*

*Oct 2018 – June 2021*

- Worked on archival processing, arrangement, digitization, and preservation of University of California Cooperative Extension (UCCE) agricultural data.
- Digitized and managed data on a large scale.

*GERLCA - Undergraduate Researcher*

*Aug 2020 – Dec 2021*

- Learned the basics of Life Cycle Assessment (LCA).
- Assisted graduate student in revising thesis for publication regarding LCA of electricity from community based bamboo gasification in a rural and remote island of Indonesia.

## PROJECTS

### NASA DEVELOP

*Louisiana Water Resources: Monitoring Historical Changes in Seagrass*

**Mountain View, CA**

*June 2021 – Aug 2021*

- Collaborated with a team in creating a Google Earth Engine tool (Tool CREOL) that uses 30+ years of NASA Earth Observations to monitor historical changes in the extent of seagrass meadows along the Louisiana coast.
- Produced a published NASA technical report and presentation, as well as an award winning ArcGIS StoryMap.
- Research presented at NASA Earth Science Applications Week and planned to be presented at the upcoming AGU conference.

### EORS Lab

*Burn Severity and Albedo Analysis Concerning the Mendocino Complex Fire*

**Merced, CA**

*Sept 2020 – July 2021*

- Used Google Earth Engine to analyze burn severity and albedo change regarding the Mendocino Complex Fire.
- Presented and published research at the IEEE IGARSS 2021 international research symposium.