

# Yaxi Du

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## EDUCATION

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**University of California, Davis**

Davis, CA

*Bachelor of Science*

Degree awarded in June 2022

Major in Environmental Horticulture and Urban Forestry; Minor in Soil Science

Core Coursework: Environmental Analysis, CA Plant Communities, Plant Propagation, Weed Management, IPM, Woody Plants Management, Agroecosystem, Urban Irrigation, Soils - Land Use, Principles of Soil Science, etc.

**Emory University**

Atlanta, GA

*Master of Environmental Science*

Expected graduate in May 2024

## WORKING EXPERIENCE

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**UCDavis Arboretum Nursery Group**

Davis, CA

*Plant Nursery Worker*

September 2021 – May 2022

- Tend to plants and flowers, graft, and transplant when necessary
- Ready and provide plants for the Plant Sale events at each spring and fall quarter
- Familiarize with operating regularly used machinery such as lawn mower
- Oversee planting, harvesting, grading, and storage of seeds and bulbs
- Prepare soil and gardens to plant with mulch and sod
- Adhere to watering schedule to keep greenhouse plants healthy and well-maintained

**Recollect Nature Studio**

Chengdu, China

*Plant Survey Intern*

July 2021 – August 2021

- Conduct field scientific investigations with coworkers, record plant names and growth data, complete first-hand data collection
- Preserve and oversee the 80 square-meter rooftop garden of rare plants and flowers
- Organize data, create plant specimen and identification
- Assist to complete the field investigation report

**UCDavis Arboretum Nursery Group**

Davis, CA

*Plant Nursery Worker*

March 2020 – June 2020

- Learn of developments in crop improvement and seed production to implement updated techniques
- Find plants in the surrounding, take pictures of them, and upload the pictures on a mobile application called iNaturalist
- Identify the difference among seemingly identical plants and flowers, and communicate with classmates on Slack application and zoom meets

## RESEARCH EXPERIENCE

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**Control of Agricultural Non-Point Source Pollution Through Wetlands**

Davis, CA

*Primary Investigator*

May 2021 – October 2021

- Conduct research on literature review pertaining to the role constructed wetlands play in helping to reduce non-point source pollution (NPSP)
- Focus the research on removal of the nitrogen and phosphorus released from NPSP
- Analyze the positive impact of constructed wetlands from the aspects of treatment performance, mechanisms, and impact factors
- Process the research findings and draft the academic paper based upon

## PUBLICATION

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Yaxi, Du, *A Review on the Control of Agricultural Non-Point Source Pollution Through Wetlands, Lecture Notes in Economics, Management and Social Sciences* (ISSN: 2617-1031), doi: 10.25236/ermss.2021.010

## ADDITIONAL HIGHLIGHT

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**Honors/rewards:** Harris Urban Horticulture (G) Scholarship Recipient 2019-2020, UCDavis Dean's List

Honoree 2018-2019 and Fall2021

**Languages:** native in Mandarin, proficient in English

**Skills and interests:** weeding and watering, floral care, Microsoft Suites, drawing, ArcGIS Pro, i-Tree tools