

AMY E. BYRNE

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EDUCATION

University of Illinois, Urbana-Champaign

Bachelor of Science in Natural Resources and Environmental Sciences

May 2018

Cumulative GPA: 3.68/4.00

Cornell University, Civic Ecology Lab (Online)

Environmental Education Certificate

April 2019

EXPERIENCE

The Morton Arboretum

Lisle, IL

Oak Consortium Coordinator

June 2019-Present

- Provide support to the Director of Global Tree Conservation in expanding and coordinating the Oak Consortium
- Manage communications, identify and recruit Consortium members, facilitate Consortium agreements, track documentation, and present at conferences
- Organize Consortium member meetings and help coordinate collecting trips
- Manage ex situ accessions dataset for the Consortium; solicit data from members and compile progress reports
- Assist with grant reporting and budget management

Global Tree Conservation Assistant

Mar. 2019-Present

- Provide support to the Director of Global Tree Conservation in regard to the ArbNet Accreditation Program, with a focus on supporting applications from arboreta in developing countries
- Create original content for the ArbNet “Resources” webpages, which support the conservation of trees
- Work with target arboreta in biodiversity hotspots to identify gaps and opportunities in tree conservation
- Connect with ArbNet community members to develop collaborations and partnerships

Research Assistant (Funded by National Science Foundation)

Oct. 2018-Jan. 2019

- Identified prairie flora to species and collected its biomass for research data
- Organized and sorted through vegetative biomass, weighed it and input the data into Excel
- Led and supervised volunteers through biomass collection
- Collaborated with my supervisor on best approaches to collect the data

Lincoln Park Zoo

Chicago, IL

Population Biology Intern

June-Sept. 2018

- Analyzed population demographic data for an independent research project
- Formatted pivot tables and created appendices in Excel to organize demographic/genetic data
- Utilized research center’s software programs and Microsoft Office Suite to complete administrative tasks
- Communicated my research to collaborators from other zoo institutions

The Morton Arboretum

Lisle, IL

Undergraduate Research Fellow (Funded by National Science Foundation)

May-Aug. 2017

- Conducted original research on plant survivorship and phylogenetics in prairie restoration
- Drafted formal scientific research paper documenting research methods and statistical analysis
- Presented research findings at formal symposiums at The Morton Arboretum and the Field Museum
- Managed and educated interns and volunteers on daily responsibilities
- Promoted the importance of restoration ecology to board members and visitors

University of Illinois

Urbana, IL

Research Assistant-Environmental Science Department-Bee and Butterfly Lab

Sept. 2016-May 2017

Research Assistant-Biology Department-Fish Mating Research

Jan.-May 2016

- Assisted graduate students by preparing and setting-up experimental trials
- Organized and input data into Excel spreadsheets

ACTIVITIES, LEADERSHIP & COMMUNITY INVOLVEMENT

Natural Resources and Environmental Sciences College Ambassador, University of Illinois

Order of Omega Leadership Honor Society Executive Board-Secretary, University of Illinois