

# Brady Bird

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## EDUCATION

**The University of Iowa** | College of Liberal Arts & Sciences | Iowa City, IA

Anticipated December 2025

*B.S. Environmental Science*

- GPA: 3.67/4.0

**McHenry County College** | Crystal Lake, IL

Graduated December 2022

*Associate of Science*

- GPA: 3.82/4.0

## COURSE HIGHLIGHTS

Biology/Diversity of Form & Function

Chemistry I, II

Calculus I

Ecology

Earth Surface Processes

Botany

Fundamentals of Environmental Science

Environmental Remote Sensing, Geographic Visualization, GIS for Environmental Studies, Lidar

## Professional Work Experience

**Ecological Restoration Intern** | *Pizzo & Associates* | Leland, IL

May 2024 – August 2024

- Restored degraded woodland, prairie, and wetland ecosystems
- Employed knowledge of prairie and wetland ecology to remediate vegetation in properties up to 70 acres in size
- Identified and differentiated native/nonnative prairie species to remove harmful invasive vegetation
- Mixed and sprayed pesticides to control 100+ invasive weed species (shrubs, grasses, trees)
- Engaged in timber stand improvement and erosion control measures through installation of vegetation and erosion blankets to control runoff
- Analysis of Google Earth aerial imagery to delineate work boundaries
- Demonstration of OSHA compliance during hazardous work including pesticide operation and power equipment use

**Recreation Intern** | *Rocky Mountain Youth Corps* | USFS | Rifle, CO

May 2023 – August 2024

- Oversaw trail crew of 8 to ensure project objectives were being met and upheld
- Drafted quarterly progress reports explaining Great American Outdoor Act trail crew accomplishments and use of funding on projects totaling over \$100,000
- Interpreted White River National Forest topography maps to identify boundaries and log trail progress
- Applied Avenza maps to record trail borders and distances, created GPS points for sign placement, water bar installation, and cairn positioning
- Patrolled dispersed campsites and educated public on Forest Service campsite/fire policy
- Maintained and operated outdoor power equipment (brush cutters and lawn mowers) and obtained S2-12 certification for bucking logs and falling trees
- Conducted trail maintenance, building tread and clearing corridor
- Obtained licensure to operate government vehicles, trailers, and OHVs

## **OTHER WORK EXPERIENCE**

**Order Selector/Sales Associate** | *Menards, Inc* | Iowa City, IA/Carpentersville, IL

October 2019 – Present

- Customer Service
- Operation of forklift and order selector to pull guest orders on time
- Compliance with OSHA safety regulations
- Communication with team members and guests
- Knowledge of proper shipping practices and delivery procedures
- Display time management skills to ensure guest orders are pulled within 15 minutes
- Facing and inventory of management of over 350,000 SKUs
- Worked as a team to complete store tasks i.e. take inventory, utilize company computer systems, interpret blueprints for plan o grams
- Trained new team members on all store tasks
- Answered questions about store products in more than seven departments
- Garden and landscaping knowledge, including pesticides use, soil variety and health, specific plant requirements
- Familiarization of power tool use, including care and maintenance

## **UNDERGRADUATE RESEARCH**

**Forbes Laboratory** | *Department of Biology* | The University of Iowa

2023 – Present

- Follow coevolution/cospeciating of parasitic wasps and their host insects over time
- Discern the role of ecology in the evolution of reproductive isolation
- Utilize PCR processes to understand genomic consequences of transitions to asexuality in Hymenoptera
- Describe patterns of insect diversity through microscopic inspection of morphology
- Employ ArcGIS Pro to create maps showing patterns of gall wasp densities and uncover motives for speciation

**Ashton Prairie Laboratory** | *School of Earth, Environment & Sustainability* | The University of Iowa

2023 – Present

- Assess 15 water quality parameters at multiple sites along Clear Creek using YSI ProDSS MP Meter and Photometer
- Compare results in nearby water bodies, TMDL data, and Iowa water quality standards
- Compile data in Microsoft Excel into easy to interpret graphs to show changes in water quality over time and comparison of data along different sites
- Manage and schedule a team of 3-4 students to keep projects on task and accomplish research goals
- Examine cross sections of Clear Creek in Ashton Prairie to uncover patterns of sediment transport, erosion, and flow patterns

## **VOLUNTEER EXPERIENCE**

**Volunteer Landscaper** | *Journey Church* | Huntley, IL

May 2017 – 2018

- Maintained 3.5 acres of land through landscaping practices including lawn mowing, utilization of electric edgers and string trimmers

**Volunteer Nurse Assistant** | *Northwestern Hospital* | Huntley, IL

April 2022 – January 2023

~ 130 Hours Logged

- Helped nurse staff prepare and clean surgery rooms
- Made bedrolls for nurses
- Dispatched patients to their vehicles
- Relayed patients need to nurse staff and provided food and water for patients