

# AMELIA NELSON

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## EDUCATION

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**The University of Texas at Austin**, Austin, TX Expected Completion May/2021  
*Bachelor of Science in Environmental Science*  
Concentration in Biology; Minor in Government (18 hours); GPA: 4.0  
Relevant Coursework: Field Seminar in Sustainability, Environmental GIS, Land Use Issues in Costa Rica, Hydrogeology, Conservation Biology, Field Ecology, Computational Biology, Spatial Analysis in GIS  
Capstone: Quantifying trade-offs in specialists herbivores by measuring immune response

## EXPERIENCE

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**Dell Technologies**, Austin, TX May/2020- Present  
*Sustainability Analyst*

- Communicate the social impact and sustainability goals of a Fortune 500 company to customers, both through written communication and through presentations
- Analyze the corporate social responsibility actions of 116 companies in order to determine necessary internal climate strategy shifts and potential opportunities for collaboration

**Brackenridge Field Laboratory Gilbert Lab Group** Austin, TX August/2018 - Present  
*Research Assistant*

- Conduct independent research examining the effects of diet specialization on insect immune response
- Monitor the daily activities of a specific species of butterfly (*Heliconius charitonia*) in order to quantify its interaction with various host plant species of the *Passiflora* genus
- Input data into R and run multiple statistical tests to verify the strength of the relationships seen in the lab

**Rainforest Partnership**, Austin, TX June/2019- January/2020  
*Intern*

- Developed and maintained the youth education program to educate the public on rainforest conservation
- Planned and performed monthly presentations and activities for children to teach them about rainforest conservation, including a mock debate about deforestation
- Assisted in the identification of bird and mammal species captured on camera traps in order to identify biodiversity in a potential protected area in Peru

## PROJECTS

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**Land Use Issues in Costa Rica**, San Jose, Costa Rica May/2019- July/2019

- Evaluated environmental policies while studying abroad in Costa Rica by searching online databases, talking to experts, and interviewing locals
- Conducted group research experiments on Costa Rica's biodiversity, performing rapid ecological assessments and presenting our findings in written and oral reports

**The Impacts of White-Tailed Deer on Central Texas Vegetation**, Austin, TX June/2020-Present

- Summarize and analyze data collected over the course of 20 years evaluating the effects of the overpopulated white-tailed deer on vegetation in a biological research station
- Partake in the formalized scientific peer review and publication process when presenting findings
- This project is currently in progress

## HONORS AND AWARDS

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- College of Natural Sciences Second-Year Excellence Award February/2019
  - Distinguished College Scholar Award April/2019 & April/2020

## SKILLS

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**Technical /Computer Skills:** Microsoft Word, Microsoft Office, R/RStudio, Adobe Photoshop, ArcGIS, Smartsheets  
**Field:** Vegetation Survey Transects and quadrats, Ultrameters, surber samplers