

# JILLIAN SNOW

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## EDUCATION

**DePauw University**, Greencastle, IN Anticipated 2019  
**Major:** Biological Sciences **Minor:** Anthropology

**The School for Field Studies**, Bocas del Toro, Panama January – May 2018  
**Focus:** Tropical island biodiversity research

## WORK EXPERIENCE

**Jaguar Rescue Center**, Puerto Viejo, Costa Rica May – June 2018  
**Animal Keeper**

- Managed general care, daily enrichment and food preparation for 100 tropical rainforest mammals, wild cats, and birds
- Trained and onboarded new volunteers
- Assisted staff in the reintroduction of animals to their primary habitat after rehabilitation

**Dr. Romero Ovarian Cancer Research Lab**, University of Chicago June – August 2017  
**Research Assistant**

- Conducted protein detection techniques, including western blot and qPCR, to support research on repurposing drugs to inhibit ovarian cancer metastasis
- Performed colony formation assays to determine cell growth and viability in response to drug treatment

## UNDERGRADUATE RESEARCH EXPERIENCE

**Insect Diversity as an indicator of Tropical Rainforest Health**, Bocas de Toro, Panama January – June 2018

- Assessed the effects of forest modification on biodiversity, community structure and species richness
- Collected and identified 130 species of aquatic, terrestrial, and aerial insects
- Performed statistical analysis via Simpson's Diversity Index, ANOVA, t-tests and graphed data in Excel
- Presented results via poster, oral and video presentation to government officials, scientists and community leaders

**Prevalence of Emerald Ash Borer**, DePauw Nature Park, IN September – October 2017

- Collected data via plotted survey to evaluate presence and patterns of dissemination of invasive ash borer
- Performed statistical analysis via Chi Square Test, mapped data in ArcGIS and graphed data in Excel

**Invasive Sexual Dispersal Patterns of *Phragmites australis***, Greencastle, IN September – October 2017

- Mapped and compared geographic distribution, health and density of *Phragmites australis* species

## LEADERSHIP AND CAMPUS INVOLVEMENT

**DePauw University Varsity Women's Soccer Team**, Greencastle, IN August 2015 – Present  
**Player, Team Manager**

- 2015 NCAA Tournament, 2015 NCAC Conference Champions and 2016 NCAC Conference competitors

**Delta Gamma Fraternity**, Greencastle, IN August 2016 – Present

**Member, Panhellenic Judicial Board**

- Oversaw education and due process of alleged violations of Panhellenic and DePauw policies

**DePauw University**, Greencastle, IN August 2015 – January 2016

**Perspective Student Host, Middle School Bullying Prevention Instructor**

- Hosted perspective high school students and provided day-in-the-life shadowing experiences
- Organized and executed hour-long lessons on bullying to three middle school classes

## SKILLS

**Lab:** Cell culture, Colony formation assay, Gel Electrophoresis, Immunoblotting, Microscopy, Quantitative PCR, Thiazolyl blue tetrazolium proliferation assay and Trypan blue exclusion assay

**Software:** Proficient in Microsoft Office (Word, Excel and PowerPoint), knowledgeable in ImageJ and ArcGIS

**Certifications:** EMT Certification (1/2017), First Aid/CPR (7/2018), & PADI Advanced Open Water/Fish Identification (7/2011)

**Languages:** Moderate level of Spanish comprehension

## COMMUNITY AND VOLUNTEER EXPERIENCE

- Service for Sight
- Asbury Tower & Hickory Creek Nursing Home
- Indiana State Special Olympics
- DePauw University campus farm