

## **Thomas Archer-Black**

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### **SUMMARY OF QUALIFICATIONS**

- Leadership experience within wildlife fieldwork
- Direct hands-on management with many ACNC species including black footed ferrets, narrow-headed garter snakes, and spring snails
- Strong data management skills including GPS formats, Excel, and R programming
- Comfortable in outdoors environments, spent over 30 nights dispersed camping in 2025
- Experience identifying Arizona mammal, reptile, and amphibian species gained over years of exposure

### **PROFESSIONAL EXPERIENCE**

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#### **Suzuki Lab Undergraduate Research Assistant, ASU Biodesign Institute**

*Aug 2025 - Present*

- Performed DNA extraction on a variety of deer mouse samples
- Quickly adapted to the world of gut microbiome research through literature review
- Helped with setup of a new captive population of P. Boylpii, P. Eremicus, and P. Melanotis
- Traveled with the lab to Mt. Lemon, AZ to complete trapping at 3 elevations

#### **Small Mammal Summer Intern – Team Lead, Arizona Game and Fish Department**

*May 2025 - Aug 2025*

- Lead intern team in carrying out over 110 prairie dog occupancy surveys across Northern Arizona
- Multi-day hitch schedules were used due to the remote locations surveyed
- Surveys required extensive planning due to the sites having no access to services
- This planning was done through ExpertGPS and OnX, with data being entered into Microsoft Access
- Aided in black footed ferret reintroduction project via prairie dog trapping and blood sampling

#### **AWCS Summer Intern, Arizona Game and Fish Department**

*May 2024 - Aug 2024*

- Managed historical sport fish data to aid in the development of the Wildlife Data Warehouse
- Aided in a multitude of surveys across the department
- These included: narrow-headed garter snakes, Gunnison's prairie dogs, New Mexico meadow jumping mice, Rio Grande leopard frogs, and a variety of invertebrates

### **EDUCATION AND PROFESSIONAL DEVELOPMENT**

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#### **B. S. Biological Sciences, Arizona State University, Tempe, AZ**

*In progress, expected graduation Spring 2026*

### **VOLUNTEER EXPERIENCE**

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#### **Land Snail Survey Volunteer, Jeffrey Sorensen & AZGFD**

*Intermittent Volunteer Service, 2024 - 2025*

- Volunteered personal time to complete population surveys of Phoenix talus snails
- Interacted with young volunteers and local phoenix community members interested in wildlife conservation to foster community connections