Reece Theakston

6487 Studley Rd, Mechanicsville, Va 23116 | (804) 381-9029 | reece.theakston@live.longwood.edu

# Education

## Bachelors of science | Longwood University | May 2020

* Major: Biology
* Minor: Environmental Science

# Experience

## Behavioral observationist | Virginia zoo, norfolk va | June-october 2019

· Collected behavioral, locational, and enrichment data on 28 different species using ethograms on the zoo monitor app.

· Created enrichment projects for a Binturong, Siamese crocodile, and miniature Zebu

· Some of the main animals observed were the Malayan tigers, Cinereous vultures, and Siamese crocodile.

## BIOLOGY- aNIMAL BEHAVIORS 475 | Color change response in *Anolis carolinensis* due to different environmental stimuli | Longwood University | Fall 2019

· Tested environmental stimuli on *Anolis carolinensis* commonly known as green anoles to see which stimuli caused a response in color change.

· Seven anoles were housed in two tanks where misting (weather simulation), addition and removal of lights (day/ night cycles) and predatory calls (response to predators) were done to or around the anoles.

· The main response for this experiment was that *Anolis carolinensis* responded with color change the most amount of times when being misted then other stimuli.

· The conclusion for this experiment was that the color change response is used when under stress and as a form of camouflage.

## Biology-genetics 324 | Genome editing with CRISPR Cas9 | longwood university |SPring 2018

· CRISPR Cas 9 was used to edit the genome of Drosophila melanogaster.

· First a guide RNA was designed followed by BsQ1 digestions.

· After the digestions we phosphorylated the vectors and annealed the oligos. The annealed oligos were then ligated and transformed into E. coli which was then put through colony PCR.

· Once colonies formed samples were taken and ran through gel electrophoresis and plasmid purification. Next the plasmids were sequenced and transfected.

· After transfection we took samples of DNA which were put through PCR, gel electrophoresis, and sequencing.

# Skills & Abilities

## Management

Toddler University - Classroom Teacher/ Teacher assistant 2014-Present

* Classroom behavior management
* Time management
* Daily activity plans
* Conflict resolution

Toddler University – Cook – 2017-2017

* Head Cook
* Food manager
* Management of kitchen and kitchen staff
* Management of food orders
* Development of monthly menus

## Communication and leadership

Rugby Captain – Longwood University – 2017-2019

* Design and run practices
* In charge of communicating to the referee during matches
* Lead teammates on and off the field

Scrumhalf- Longwood University – 2015-2019

* Direct people into position during games
* Call plays and control the tempo of attack