Samuel Kane

Goal 1.4 Reflection

Analyze the Major Principles of Organismal Biology

Through the curriculum of Longwood’s Biology program, one of the three main pillars is the Organismal Pillar. To meet this goal, I took one course within the pillar Biology 315 – Invertebrate Zoology and one course outside of the pillar Biology 492 – Undergraduate Internship regarding Aquaponics. Organismal biology is extremely important to learn and understand, especially considering a good deal of it has to do with humans.

Biology 315 – Throughout Biology 315, Invertebrate Zoology, we consistently went over various different species and taxa that fill our biologically diverse world. We had to complete a large blog project where we selected an animal and went through nearly everything involving it from what it eats and where it lives to its anatomical makeup. The animal I chose was the camel cricket, also known as the spider cricket or cave cricket. This class taught me a lot about invertebrate animals and how they’re intertwined with our ecosystems on a daily basis.

Biology 492 – Biology 492 was the internship I completed while an undergraduate student at Longwood University. I completed my research in the Chichester Greenhouse, where I took care of the various plant species and a fish tank within the vicinity. Throughout interning in the greenhouse, I learned a lot about water management, aquaponics, and overall organism management through a hands on process that lasted a full semester.