

# Miles Liam Nesbit

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## EDUCATION

- Master of Research in Ecology, Evolution and Conservation** October 2020  
Imperial College London, London, UK
- Bachelor of Science in Biology** UF GPA 3.74 June 2019  
University of Florida, Gainesville, FL  
*Cum Laude*
- Associate of Arts** TCC GPA 4.00 July 2017  
Tallahassee Community College, Tallahassee, FL  
Graduated with Honors

## PUBLICATIONS

*In review:*

Noble I.I. Noble, Charles Stuhl, Miles Nesbit, Rachel Woods, Jamie Ellis. 2019, A comparison of *Varroa* mite (Acari: Varroidae) collection methods and survivability for in vitro rearing systems. *Experimental and Applied Acarology*

## RESEARCH EXPERIENCE

### **Spatial Ecology and Conservation Laboratory, Honey Bee Research and Extension Laboratory (Collaboration)**

University of Florida, Institute of Food and Agricultural Sciences, Geomatics, School of Forest Resources & Conservation

- Landscape composition and flowering phenological determinants of pollinator abundance and diversity in a natural-urban mosaic at the University of Florida campus.
- Relevant skills include: project design, pollinator trapping methods, pollinator identification methods, spatial ecological theory, volunteer coordination and direction.

### **Honey Bee Research and Extension Laboratory**

May 2018 – June 2019

University of Florida, Institute of Food and Agricultural Sciences

- Determining best methods for harvesting *Varroa destructor*.
- *In vitro* rearing of *Varroa destructor* (Dr. Noble Egekwu, supervisor).
- Testing remade software for USDA-ID on Africanized bee identification using morphological traits.
- Artificial Diet formulation for *Varroa destructor* (Dr. Noble Egekwu, supervisor).
- I assisted a PhD student by processing *Varroa* samples collected from hundreds of colonies. Mites and bees were quantified to determine mite infestation rates from colonies treated with various commercial control products. I observed, recorded, and entered project data for future statistical analyses.
- Relevant skills include: experimental design, apiculture (operating smokers, manipulating frames, clipping wings, marking queens, honey extraction, *Varroa* sampling, pest identification), arthropod rearing, dietary construction, data entry, and optical microscope imaging.

### **The Stewart Research Group**

August 2017 - November 2017

University of Florida

- I assisted a PhD student investigating enzymes as practical catalysts for organic synthesis, specifically using OYE 1 and 3 in yeast.
- Relevant skills include: Agarose gel electrophoresis, polymerase chain reaction, and DNA cloning.

## TEACHING EXPERIENCE

University of Florida, Institute of Food and Agricultural Sciences

July 2018-August 2018, May 2019-June 2019

- I was a Teaching Assistant for the ENC 2041c Practical Beekeeping class. I taught students proper honey bee handling and management techniques. I also helped students learn new beekeeping skills, graded online discussions and quizzes, and administered practical exams.
- Relevant skills include: public speaking, student instruction, and class organization.

## AWARDS OR HONORS

President's List TCC

Fall 2016-Summer 2017

Dean's List UF CALS

Fall 2018-Spring 2019