

**Austin Fife**

208-874-2283

fiferworks@gmail.com

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### Periods of Employment

<b>* Name of Employer</b>	University of Florida
<b>* Your Job Title</b>	Research Assistant
<b>* Currently Employed</b>	Yes
<b>* Start Date</b>	07/02/2018
<b>* End Date</b>	12/31/2021
<b>* Hours Per Week</b>	40
<b>Employer's Address</b>	155 Research Road, Quincy, FL 32351
<b>Supervisor's Name</b>	Dr. Xavier Martini
<b>Supervisor's Phone Number</b>	850-875-7160
<b>* Duties and Responsibilities</b>	Investigated biological control of herbivorous mites (Phyllocoptes fructiphilus) in three field trials by combining natural enemies (predatory mites) and inducing plant defenses (systemic acquired resistance, SAR). Conducted predatory mite olfactometer behavioral assays and field releases to determine suitability as biological control agents. Discovered two previously unreported mite-plant-virus pest complexes in Florida. Monitored and mapped pest mite populations (phenology) in the field. Collected data at alternative sites after use of viral resources became restricted due to pest quarantine by the Florida Department of Agriculture and Consumer Services (FDACS). Collaborated with over 10 PIs from plant pathology and entomology departments from the University of Florida, the University of Georgia, the USDA-ARS and the FDACS. Established colonies of predatory and herbivorous mites. Presented at extension workshops and local rose club. Complied with permits and state restrictions for movement of plants, mites, and viruses. Have current pesticide applicator's permit for ornamental plants and turf in Florida. Developed novel methods to collect samples of volatiles in the field via SPME. Taught and worked with seasonal personnel to conduct experiments and

### More Information

<b>Alternate Phone Number:</b>	
<b>* Mailing Address :</b>	3216 Nekoma Lane, Apt B
<b>* City</b>	Tallahassee
<b>* State:</b>	Florida
<b>* ZIP Code:</b>	32304
<b>* Country</b>	United States
<b>* Exemption from public record: Are you a current or former law enforcement officer, other covered employee** or the spouse or child of one, whose information is exempt from public records disclosure under Section 119.071(4)(d), Florida Statutes (F.S)?</b>	No
<b>* Citizenship: The State of Florida hires only U.S. citizens and lawfully authorized alien workers. You will be required to provide identification and either proof of citizenship or proof of authorization to work in the U.S. Are you a U.S. citizen or legally authorized to accept employment with the specific hiring authority to which you are applying?</b>	Yes
<b>* Selective Service: Section 110.1128, Florida Statutes, prohibits employment by the state (including re-hire after a break in service) of any male born on or after October 1, 1962, who</b>	Yes

	<p>maintain projects. Developed 15+ standard operating procedures (SOPs), protocols and improved methods for surveying, processing samples, preparing chemistry, and mounting mites. Followed protocols and methods for qPCR and RPA of plant viruses. Grew over 100 roses, as well as beans, tobacco, orchids, liriopogons, and etc. in a greenhouse. Analyzed changes in chemistry (volatile organic compounds), for virus-infected plants via headspace volatile collection using Solid Phase Microextraction (SPME) with paired Gas Chromatography/Mass Spectrometry. Interpreted results with R software and statistical methods, including principal component analyses (PCA), uniform manifold approximation and projection (UMAP), analysis of variance (ANOVA), Chi-squared tests and Generalized Linear Mixed Modeling (GLMMs). Participated in courses on R, Impact Network Analysis, and presented at a book club about Data Science, AI, Machine Learning, and Deep Learning with R at the University of Florida.</p>	<p>failed to register with the Selective Service System, under the provisions of the U.S. Military Selective Service Act, during the person's period of eligibility (ages 18 through 25). Additionally, if currently employed by the state, this law prohibits the promotion of such person. You may be required to provide documentation. If you are a male born on or after October 1, 1962, have you registered with the Selective Service or do you have proof of an exemption from this requirement?</p>
<b>* Reason For Leaving</b>	Graduation - Dec 2021	
<b>Your name, if different during employment</b>	Austin Nathaniel Fife	

<b>* Name of Employer</b>	University of Idaho
<b>* Your Job Title</b>	Research Assistant
<b>* Currently Employed</b>	No
<b>* Start Date</b>	04/17/2015
<b>* End Date</b>	12/14/2018
<b>* Hours Per Week</b>	40
<b>Employer's Address</b>	The University of Idaho Kimberly Research and Extension Center, 3806 N 3600 E Kimberly, ID 83341-5082
<b>Supervisor's Name</b>	Dr. Erik Wenninger
<b>Supervisor's Phone Number</b>	208-423-6677
<b>* Duties and Responsibilities</b>	Studied host plant selection of the potato psyllid <i>Bactericera cockerelli</i> , vector of Zebra Chip Disease in potato. Maintained four insect colonies, grew hundreds of plants in the greenhouse, including 10 varieties of potato, tomatoes, eggplant, weeds and various species of native plants from seed to test psyllid feeding behaviors. Used statistical methods in R to

	interpret results, including t-tests, ANOVA, and GLMMs. Wrote and published thesis with LaTeX. Developed protocols, SOPs, and new methods to record insect behaviors and fecundity on living plants with a limited budget. Assisted in pest monitoring by processing hundreds of sticky traps weekly. Manually sorted and weighed potatoes with a small team.
<b>* Reason For Leaving</b>	Graduation
<b>Your name, if different during employment</b>	

<b>* Name of Employer</b>	Brigham Young University - Idaho
<b>* Your Job Title</b>	Research & Teaching Assistant
<b>* Currently Employed</b>	No
<b>* Start Date</b>	04/14/2013
<b>* End Date</b>	04/30/2015
<b>* Hours Per Week</b>	20
<b>Employer's Address</b>	BYU-Idaho 525 South Center St. Rexburg, ID 83460-1110
<b>Supervisor's Name</b>	Dr. John Zenger
<b>Supervisor's Phone Number</b>	208-496-4632
<b>* Duties and Responsibilities</b>	Drove an off-road vehicle and navigated sand dunes with GPS to record, locations, habitat, characteristics, range, and dispersion of <i>Cicindela arenicola</i> , the St. Anthony Dunes Tiger Beetle. Prepared lab activities, graded papers, assisted students and curated the insect collection. Independently applied for and obtained permit from National Park Service and the Bureau of Land Management - Craters of the Moon National Monument to collect data on a threatened species, the Western Ice Cave Beetle, <i>Glacivivicola bathysciodes</i> . Spelunked in the St. Anthony Civil Defense Caves to observe populations of <i>G. bathysciodes</i> . Tutored Spanish class via conversation practice.
<b>* Reason For Leaving</b>	Graduated
<b>Your name, if different during employment</b>	

## Formal Education

<b>* Name of School</b>	University of Florida

<b>* Location</b>	Gainesville, Florida
<b>* Start Date</b>	07/02/2018
<b>End Date</b>	12/31/2021
<b>Course of Study</b>	PhD: Entomology and Nematology
<b>* Degree Earned (transcripts may be required)</b>	In Progress
<b>Credit Hours - Quarter</b>	
<b>Credit Hours - Semester</b>	

<b>* Name of School</b>	University of Idaho
<b>* Location</b>	Moscow, Idaho
<b>* Start Date</b>	05/18/2015
<b>End Date</b>	12/14/2018
<b>Course of Study</b>	Entomology
<b>* Degree Earned (transcripts may be required)</b>	Masters
<b>Credit Hours - Quarter</b>	
<b>Credit Hours - Semester</b>	

<b>* Name of School</b>	Brigham Young University - Idaho
<b>* Location</b>	Rexburg, Idaho
<b>* Start Date</b>	04/19/2011
<b>End Date</b>	04/30/2015
<b>Course of Study</b>	Biology, Zoology emphasis
<b>* Degree Earned (transcripts may be required)</b>	Bachelors
<b>Credit Hours - Quarter</b>	
<b>Credit Hours - Semester</b>	

▼ Language Skills

<b>* Language</b>	Spanish
<b>Speaking Proficiency</b>	Fluent
<b>Reading Proficiency</b>	Fluent
<b>Writing Proficiency</b>	Fluent

▼ License, Registration or Certification

<b>* License, Registration or</b>	Public Applicator License
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Certification	
Number	PB12385
State Licensing Agency	Florida
Received	10/20/2018
Expires	10/31/2022

✓ Job-Related Training or Course Work

* Name of Institution	University of Arkansas
* Start Date	06/17/2019
End Date	06/28/2019
* Training Course	Agricultural Acarology
* Training Completed	Yes

* Name of Institution	University of Arkansas
* Start Date	06/10/2019
End Date	06/15/2019
* Training Course	Introductory Acarology
* Training Completed	Yes

✓ Knowledge, Skills and Abilities

Knowledge, Skills and Abilities	Entomology/Acarology, Insect and Mite Identification, Biological Control, Chemical Ecology, Solid-Phase Microextraction, Gas Chromatography-Mass Spectrometry, R Programming, RStudio, Anaconda, Git, LaTeX, Linux, Raspberry Pi, Adobe Photoshop, Phase-Contrast Microscopy, Microscope slide preparation
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