

Steve Gotham

160 River Bridge Circle. Oviedo, Florida, 32765

(352) 455-8906

sgothamjr@knights.ucf.edu

Education

University of Central Florida

Bachelor of Science in Biology

Orlando, FL

May 2012

Valencia Community College

Associate of Arts

Related Coursework: (Biology I&II, Chemistry I&II, Organic Chemistry I&II)

GPA: 3.74

Orlando, FL

May 2010

Mentor: Dr. Hojun Song, Department of Biology

Honors & Awards

Inducted into the Golden Key International Honour Society

Oct. 08, 2010

UCF Research and Mentoring Program (RAMP) Scholar

2010-2011

UCF Young Entrepreneur and Scholar (YES) Program Scholar

2010

UCF Undergraduate Research Grant

2010

SGA Travel Award to Reno, Nevada for ESA conference

2011

YES-RAMP Masters Fellowship

Mar. 2012

Honorable Mention for Showcase of Undergraduate Research

Apr. 2012

Excellence Poster on Density-Dependent Phenotypic Plasticity of *Schistocerca americana* and *S. keys*

SGA Travel Award to Knoxville, Tennessee for ESA conference

Sept. 2012

UCF Department of Biology Student Travel Award

Jan. 2014

Professional Experience

Analyst

- Analyzed over 30 bridges, 40 roads, 20 ports/airports, and 30 cities of several countries in order to build the unit's understanding of the foreign country they were operating in.
- Developed and implemented a matrix and database consisting of over 1,500 Pakistani patients which was used as a tool to gather and evaluate sentiments reflected by the patients towards the United States before and after the response to the earthquake tragedy in Pakistan, November 2005.
- Aligned sequence data of the Lubber Grasshopper family, Romalidae, with genes including 16S, 28S, Wingless, COI, COII.
- Built a phylogeny of Romalidae using RaxML and discovered trends of the Romalea's introduction to the United States.

Communication

- Presented over 50 PowerPoint presentations to commanding generals, convoy commanders, and staff level officers resulting in the audience's situational awareness of foreign countries such as Iraq, N. Korea, and the Philippines
- Managed and maintained nine linguists who directly supported over 200 logistical convoys in the Al Anbar province of Iraq by eliminating the language barrier between convoys and Iraqi local nationals during conflicting situations.

- I have presented my research in different poster presentation and at the ESA conference in Reno through and oral PowerPoint.

Computer Usage

- Expertise in over 15 computer programs including CPOF (Command Post of the Future [computer system]), FalconView, C2PC, PowerPoint, Excel, Word, MarineLink, and Snag It resulting in more accurate analyst products.
- Operated advanced computer systems such as a plotter which prints large scaled maps, laminators, and CPOF which required three monitors to operate efficiently.
- Able to type 60-70 words per minute with little to no errors.
- I have learned to use technology in the field of biology such as Sequencher, MUSCLE, R, MacClade, SPSS, Structure, GenePOP, WinBUGS, ImageJ64, EthoVision, BK+ Lab Imaginary System, and Adobe Illustrator.

Work Experience

The Song Laboratory of Insect Systematics and Evolution	UCF, FL
<i>YES/RAMP Undergraduate Research Scholar</i>	September 2010 - Present
Crispers Winter Park	Winter Park, FL
<i>Chef</i>	August 2008-September 2010
U.S. Marine Corps	International
<i>Sergeant – Intelligence Specialist</i>	July 2003 – July 2008
Burger King	Apopka, FL
<i>Cashier</i>	February 2003 – July 2003
Prolific Plants	Apopka, FL
<i>Laborer</i>	May 2002 – August 2002

Teaching Experience

Taught Scholarship workshops to fellow Phi Theta Kappa members during the spring of 2010 to increase awareness in filling out financial aid applications, government grants, School scholarship opportunities, Phi Theta Kappa scholarship opportunities, and tips for applying for scholarships. Also taught as an undergraduate teaching assistant for a biology II section in my senior year.

Research Experience

Joined the Song Lab to gain experience in research in the Department of Biology. Presented the phylogeny of *Romalea* for Showcase of Undergraduate Excellence in 2010. Also presented research on phenotypic plasticity of *Schistocerca americana* at the Entomological Society of America's (ESA) Entomology Conference at Reno, Nevada in 2011. Presented an update of this research to include *S. serialis cubense* at another ESA conference at Knoxville, Tennessee in 2012.

PUBLICATIONS:

Gotham, S. and Song, H. 2013. Non-swarming grasshoppers exhibit density-dependent phenotypic plasticity reminiscent of swarming locusts. *Journal of Insect Physiology* 59, 11: 1151-1159

Campus Involvement	Phi Theta Kappa	Vice President of Scholarship	
	Chi Epsilon Chapter		2009-2010
	Biology Graduate Student Association		2012
Outreach Activities	Science Fair judge for Avalon Middle School of over 100 participants to be promoted to Regional Science Fair competition		Dec. 10, 2013
	Microbiology category judge in life sciences at the Ying Orange County Science Expo held at Rollins College, WinterPark, FL. Promoted Students for the State Competition.		Feb. 2, 2014