

Michael E. Wilson

Curriculum vitae | April 13, 2015

| Rosecombapiaries.com |

EDUCATION

- 2011. Master of Science. University of Tennessee, Dept. of Entomology and Plant Pathology
- 2000-2004. 37hrs Science and education curriculum, University of Tennessee
- 1998. Bachelor of Fine Arts. University of Tennessee

EMPLOYMENT & UNIVERSITY WORK EXPERIENCE

- 2012, May 1st – Present. University of Tennessee, Institute of Agriculture. Extension Assistant II. Manage a number of database web-applications on platforms; .NET, Django/Python, & LAMP
 - Database and web-interface programming: PostgreSQL, Python, Django, T-SQL, C#, Microsoft SQL Server, Microsoft Visual Studio, ReportViewer, Silverlight, MySQL, PHP, HTML, CSS, SCSS, JavaScript, Git version control
 - Server administration: Windows Server, IIS, Linux / Ubuntu, LAMP, database backups
 - Survey administration, online components: IRB compliance, survey programming, editing, distribution, reporting, and mass email marketing
 - Editing and authoring of instructional content. Text, images, graphics, video & sound
 - Photoshop, Adobe Premier Pro, IMovie, Final Cut Pro, Canon XF300
 - Presentations to growers and research audience. 47 since 2009
 - Work with undergraduate student programmers at Appalachian State University, Computer Science dept.
- 2012, April 1st – 2013, November 1. University of Maryland. Faculty Research Assistant
 - Computing and research assistance with the Bee Informed Partnership, a USDA-NIFA CAP project
- 2006 – 2012. University of Tennessee, Office of Information Technology (OIT). IT Technologist III
 - 2008 – 2012. 50% effort on grant programs in the Dept. of Entomology and Plant Pathology
 - Website programming and graphic design: beeinformed.org, extension.org using CSS, MySQL, PHP, HTML, server administration
 - Data cleaning. T-SQL in Microsoft SQL Server
 - Writing and editing educational content for websites, manage social media marketing
 - Experimental design, data collection, SAS & R, linear models & Ordination statistics
 - Google Analytics and social media evaluation
 - 2006 – 2012. Documentation Coordinator for University System and Campus centrally supported computing hardware.
 - Technical writing of management tasks for staff of 12 that maintained the University primary data center infrastructure. Topics included: database backups, network,

mwilso14@utk.edu | www.my4acres.com | 865-804-6486 | 829 Ridgeview Dr., Clinton, TN 37716

disaster recover, power outages, environmental, helpdesk, tape data storage, UNIX, VM/SP HPO, DB2, & IBM z/OS, OS/2, IBM SDSF

- Database management and reporting using Visual Basic, SQL, Javascript, HTML
- 2000 – 2005. University of Tennessee, OIT. IT Technologist I. database backups, IBM mainframe system tasks, data center operations, UNIX, VM/SP HPO, DB2, & IBM MVS, OS/2, IBM SDSF
- 1994 – 2000. University of Tennessee, OIT, Data Center Student Assistant

OTHER WORK EXPERIENCE

- 2005 – 2014. Freelance website and graphic design. MySQL, PHP, CSS, HTML, Javascript, Photoshop, Joomla!, Wordpress
- 2006 – Present. Farming. Primary activity is beekeeping. ~ 100+ colonies, producing honey, pollen, candles, queens, and nucleus colonies. Minor caprine rearing. Rosecombapiaries.com

GRANTS AWARDED

- Southern Region Sustainable Agriculture Research and Education, Producer Grant Program 2012-2014 “Breeding of Honey Bees for Multiple Traits with a Priority on Nosema Disease Resistance: \$10,000
- Southern Region Sustainable Agriculture Research and Education, Graduate Student Grant 2008-2010 “Providing Habitat for Native Pollinators and Determination of Native Pollinator Contribution to Pollination of Cucurbits and Blueberries on Farm Sites” \$10,000
- Southern Region Sustainable Agriculture Research and Education, Producer Grant Program 2007-2009 “Natural Comb Management of Honey Bees for Varroa Control” \$15,000

OTHER SUPPORTING GRANTS AND CONTRACTS

- USDA-NIFA CAP The Bee Informed Platform (BIP): A Nationwide Network for Monitoring and Maintaining Honey Bee Health and Pollination Services, 2011 – 2016, \$5 million. University of Maryland sub -award \$234,055
- USDA-SCRI Pollination Security for Fruit and Vegetable Crops in the Northeast, 2012 – 2017, \$3.3 million. University of Massachusetts Amherst, \$87,500 sub-award
- USDA-NIFA CAP Sustainable Solutions to Problems Affecting Health of Managed Bees. 2008 - 20012, \$4.1 million. University of Georgia sub-award \$250,000
- USDA-ARS Improving Honey Bee Health, Survivorship, and Availability for Pollination. Specific Cooperative Agreement, 2008 – 2013, \$130,000
- USDA-NIFA New Technologies for Ag Extension (NTAE). University of Nebraska, CoP Leadership Funds, 2011, \$15,000 sub-award