

Hao Wu

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Irvine, CA 92604
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EDUCATION

- Fall 2011 – Summer 2013
MS in Entomology, Department of Entomology and Plant Pathology,
Auburn University, USA
- Fall 2007 – Spring 2011
BS in Plant Protection, Department of Plant Protection, Southwest University,
China
Thesis: The Taxonomy and Biology of Blattinae

COMPUTER SKILLS

- Programming Language
Advanced: Perl (Moose, Dancer), Javascript; Basic: R, Rust
- Database
PostgreSQL, MongoDB, SQLite
- Statistics and Data Mining
 - Interpreting statistical analysis
 - Basic classification and cluster analysis
- OS and Software
Comfortable with Linux(Ubuntu, CentOS), Mac and Windows; Vim, Emacs and Git

PAPER & PRESENTATION Instar Determination Using Gaussian Mixture Models (Annals of the Entomological Society of America; Volume 106, No. 3, pp. 323-328(6); May 2013) [PDF](#) [Code](#)

2012 National Conference of Urban Entomology:
Instar Determination Using Gaussian Mixture Models [Slides](#)

EXPERIENCE

Software Developer August 2013–present
Tech team, Intellisurvey, Inc.

- Online Survey System
- Perl (Moose, Regexp::Grammars, Plack); Javascript (RequireJS, jQuery, Sencha JS)
- Survey DSL parse, render and respondent data collection
- Nginx, uWSGI configuration and maintenance

Research assistant August 2011– August 2013
Department of Entomology and Plant Pathology, Auburn University

- Instar determination of cockroaches
- The development of cockroaches

Internship March 2010–August 2010
Laboratory of Biodiversity and Systematics, Southwest University