Susan L. McEvoy
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Department of Ecology & Evolutionary Biology
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EDUCATION

PhD., Ecology & Evolutionary Biology, University of Connecticut
Expected Graduation Date: May 2023.

B.S., Biology, Oregon State University
Graduation Date: June 2002.

EXPERIENCE

Graduate Research Assistant
Ecology & Evolutionary Biology, University of Connecticut
August 2018 – present
Bioinformatics, including *Acer* genome assembly and annotation, and processing data for the TreeGenes Database, annotation tool development, and others projects as needed. Collaborate with other students and staff, mentor undergraduates and interns, and present and participate in meetings.

Graduate Teaching Assistant
Ecology & Evolutionary Biology, University of Connecticut
January – May 2019
Instructor for one laboratory section of Biol 1108 – Principles of Biology II

Bioinformatician (Faculty Research Associate - Forest Genetics)
Forest, Ecosystems, and Society, Oregon State University
March 2017 - August 2018
Worked with genetic researchers and the Pacific Northwest Tree Improvement Research Cooperative (PNWTIRC) to manage genomics and other forest genetics data. Conducted data analyses used existing software in a primarily Linux command-line system. Wrote computer programs to analyze data using R, Perl, C#, and Java. Communicated research results orally and in writing, and performed administrative duties as assigned.

Software Developer/Research Assistant
Center on Teaching and Learning (CTL), University of Oregon
April 2014 - March 2017
Designed and developed highly interactive, data-driven web applications and tablet-based instruction tools for the purpose of assessing and tracking student learning and the effectiveness

of curricular programs. Working closely with education researchers, communicated complex technical information to iteratively develop and test the effectiveness of these products on student learning. Designed, developed, and enhanced features within the existing data system (Dibels) to support integration with new instruction and assessment tools.

Worked in a agile team environment. Wrote code using JavaScript frameworks (AngularJS, EmberJS, ExpressJS, Bootstrap), PHP, MySQL, HTML, CSS). Extended existing data models and database systems to support new research and development activities. Wrote functional and unit tests, created documentation in tickets and a wiki, and managed code and release cycles using Git and SVN.

Web Manager
OSU Libraries, Oregon State University
August 2006 – May 2009; October 2010 – April 2014
Responsible for the web presence of OSU Libraries and Press, including web applications related to resource discovery and access, library instruction, digital collection creation, and supplementary sites for Press books.

Development
Coded custom websites and applications, and customized existing proprietary and open-source applications. Administered, configured, and themed Drupal, and reviewed, installed, and customized modules. Researched and recommended web applications, and assisted with implementation, administration, and maintenance as needed. Coded with HTML, CSS, PHP, JavaScript, jQuery, MySQL, and Ruby on Rails.

Design
Worked with librarians to identify content and functional requirements. With stakeholder input, directed site architecture, functionality, layout, and coding. Researched techniques for content management, project management, design, accessibility, usability testing, and web analytics, and shared them with web-related committees as appropriate. Performed a variety of website testing. Directed graphic design and worked to provide an integrated user experience across a variety of platforms.

Project Management
Coordinated all aspects of the design and development process to meet deadlines. Collaborated with content owners, managers, programmers, system administrators and graphic designers. Oversaw the work of student web developers and graphic designers. Provided training to non-technical staff.

Interim Department Head
Emerging Technologies and Services, Oregon State University Libraries
May 2009-October 2010

Managed a staff of six employees: two system administrators, three programmers, and a desktop support person. Prioritized and tracked the progress of departmental projects. Served on the Libraries' management team and participated in library reorganization and strategic planning. Implemented a ticket tracking solution and documentation policies and procedures. Continued to maintain many duties from the Web Manager position listed above.

Forestry Web Communications Coordinator
College of Forestry, Oregon State University
June 2003 – August 2006

Responsible for the design and development of the College of Forestry website and other related sites. Communicated standards to college web editors and provided training and resources. Responded to requests for programming or design assistance.

PRESENTATIONS & POSTERS

Oral Presentation & Poster Presentation — San Diego, CA, 2020
Plant & Animal Genome Conference XXVIII
Title: Sweet Genomes: Assembling, Annotating and Comparing Three Maples

Poster Presentation — Providence, RI, 2019
Evolution 2019
Title: Sweet Genomes: Sequencing, Assembling, and Annotating Three Maples

Poster Presentation — University of New Hampshire, 2019
ASPB Northeast Section Annual Meeting
Title: Sweet Genomes: Sequencing, Assembling, and Annotating Two Maples

Speed Talk — UCONN, 2019
EEB Graduate Symposium
Title: Sweet Genomes: Sequencing, Assembling, and Annotating Two Maples

Poster Presentation — San Diego, CA, 2019
Plant & Animal Genome Conference XXVII
Title: Sweet Genomes: Sequencing, Assembling, and Annotating Two Maples

Poster Presentation — University of Massachusetts Amherst, 2019
Plant Biology Graduate Program
Title: Sweet Genomes: Sequencing, Assembling, and Annotating Two Maples

HONORS & AWARDS

Linda D. Strausbaugh Fellowship in Genetics and Genomics, University of Connecticut Institute for Systems Genomics, 2019, awarded $1600

EEB-MNH Botany Award, University of Connecticut, Department of Ecology and Evolutionary Biology, 2019, awarded $1500