

# Ethan Lockwood

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## - Education

University of Oregon, Eugene OR 2017  
**Masters in Community and Regional Planning**  
*Environmental Planning and Policy Concentration*

Cal Poly, San Luis Obispo CA 2014  
**Liberal Arts and Engineering Studies (LAES) Bachelor of Arts with honors**  
*Appropriate Technology and Integrated Environmental Design Concentrations*  
*College of Liberal Arts Service to the Community Award and LAES Outstanding Senior*  
*Sustainable Environments Minor*

## - Professional Planning Projects

**Oregon Compensatory Wetland Mitigation Analysis - Masters Exit Project** 2017  
Quantified and described temporal and geographic variations in Oregon compensatory wetland mitigation.  
Utilized R and GIS to analyze Oregon Departments of State Lands compensatory wetland mitigation datasets.  
Report, methodology, and findings contributed to the Oregon Aquatic Resource Mitigation Program.

**Ashland, OR Natural Hazard Green Infrastructure (GI) and Low Impact Development (LID) Project** 2017  
Led team of four first year graduate students to complete multiple project deliverables.  
Project management for one of two national pilot project to use GI and LID to mitigate risks from natural hazards.  
Coordinated meetings and workshops with Ashland City officials, local stakeholders, and FEMA and EPA partners.  
Developed recommended GI and LID action items to be adopted into the Ashland Natural Hazard Mitigation Plan.

**Coos Bay Estuary, OR Management Plan Technical Review** 2016  
Interviews with local users of the Estuary Management Plan.  
Written report analyzing legal compliance and usability of existing Plan.  
Synthesized recommendations for estuary management plan update.

**University of Oregon Campus Strategic Energy Management Plan** 2016  
Interviews with 16 campus energy stakeholders.  
Creation of energy data and decision making process diagrams and descriptions.  
Recommendation for changes to campus energy management positions and data systems.

**Umatilla County, OR Plan4Health Community Needs and Readiness Assessment** 2016  
Analysis of chronic disease rates and indicators for Umatilla County.  
In person interviews with members of vulnerable populations in Umatilla County.  
Development of written report, city health profiles, and recommendations for the Plan4Health Coalition.

**Multnomah County, OR Natural Hazard Mitigation Plan (NHMP) Implementation Appendix** 2016  
Development of sub-county level database of plans and update cycles that should incorporate NHMP findings.

**Tillamook County, OR Natural Hazard Development Code Review** 2016  
Creation of natural hazard mitigation toolbox, case studies, and implementation strategies for Tillamook County.  
Lead and developed presentations for meetings with Tillamook Planning Department and BOCC.  
Development of professional report and case studies.

**EPA Campus Rainworks Stormwater Design Competition** 2015  
Conceptual redesign of the University of Oregon's 13th Ave. Corridor with LID Stormwater design elements  
Presentations and reviews with university officials to integrate plan into existing campus planning framework  
Utilization of National Stormwater Calculator to measure design performance.

**Sustainable Cities Initiative: Redmond, OR Midtown Project** 2015  
Leader in ten week long intensive group project to envision the future of Redmond's Midtown District.  
Conceptualization of 30-year plan for community development and revitalization of the Midtown.  
Completion of final report and professional presentation of project to Redmond city officials.

## - Work History

**University of Oregon Community Service Center Project Manager** October 2016 - Current  
Management of four graduate students on EPA/FEMA pilot project. (19 hr/wk)

**University of Oregon Community Service Center Internship** June - September 2016  
Data analysis, report writing, interviews, meeting facilitation, and project research. (12-20 hr/wk)

**University of Oregon Campus Planning Department Internship** April - July 2016  
Created report template and report for annual campus commuter survey. (8 hr/wk)  
Administer and analyzed campus commuter survey results.

<b>University of Oregon Intro to City and Regional Planning Graduate Teaching Fellowship</b>	March – June 2016
Designed and lead three weekly 20-student discussion groups.	(12 hr/wk)
Graded posters and papers for undergraduate Introduction to Community and Regional Planning course.	
Hold weekly office hours to address students' questions and concerns.	
<b>University of Oregon Matthew Night Arena Monitoring Project</b>	January 2016
Conducted intersection counts, street car counts, and intercept surveys of arena users.	(3-5 hr/wk)

## - Skills

**Planning:** Stakeholder Interviews, Meeting Facilitation, Workshop Design, Report Formatting and Editing, Intercept Surveys, Survey Design, Development Code Review, Natural Hazard Mitigation Plan process and action item design, NEPA Procedures and Requirements

**Design:** Word and PowerPoint, HTML, CSS, Wordpress, Solidworks, SketchUp, Gimp, Inkscape, Photoshop and Illustrator

**Data Analysis:** RStudio Data Analysis, Excel, SQL queries, Census Data Collection and Analysis

**GIS:** ArcGIS

## - Published Writing

<b>Jarret Walker on the Role of Transportation in Public Freedom</b> , LiveMove Blog	2017
<a href="http://livemove.org/blog/2017/2/17/member-relfection-jarrett-walker-lecture">http://livemove.org/blog/2017/2/17/member-relfection-jarrett-walker-lecture</a>	
<b>The Land of Trees, Cheese, the Ocean Breeze, and Natural Hazards</b> , UO's Community Service Center Blog	2016
<a href="https://blogs.uoregon.edu/cscenter/2016/02/08/the-lane-of-trees-cheese-the-ocean-breeze-and-natural-hazards/">https://blogs.uoregon.edu/cscenter/2016/02/08/the-lane-of-trees-cheese-the-ocean-breeze-and-natural-hazards/</a>	
<b>Trail Running In and Around San Luis Obispo</b> , iRunFar.com	2015
<a href="http://www.irunfar.com/2015/11/trail-running-in-and-around-san-luis-obispo-california.html">http://www.irunfar.com/2015/11/trail-running-in-and-around-san-luis-obispo-california.html</a>	
<b>The Conscientious Fixer</b> , iFixit.org	2014
<a href="https://ifixit.org/blog/6730/the-conscientious-fixer/">https://ifixit.org/blog/6730/the-conscientious-fixer/</a>	
<b>Farm and Ranch Case Studies</b> , American Farmland Trust	2013
<a href="http://162.242.222.244/programs/campaign/california-voices.asp">http://162.242.222.244/programs/campaign/california-voices.asp</a>	

## - Volunteer

<b>University of Oregon Live Move</b>	2015 - 2016
Member of campus walkability and alternative transportation student advocacy group.	
<b>President of Cal Poly Trail Running Club</b>	2012 – 2013
Organized trail running club meeting, activities, volunteer opportunities, website, and group runs.	
<b>Central Coast Concerned Mountain Bikers</b>	2011 – 2015
Trail construction in chaparral forest using hand tools.	
Maintenance of trail tread to prevent creep, cleaning of drain traps, removal of jumps, and brushing.	

## - Undergraduate Senior Project

<b>Cal Poly Senior Exit Project: Handicap Accessible Raised Garden Beds</b>	2014
Fabricated wheelchair accessible raised gardening bed from local sustainably milled lumber.	
Researched and utilized ADA guidelines, horticultural therapy, and philosophy of sustainable design.	
CAD modeling of designs made publically accessible through the SketchUp model library.	

## - Additional Work History

<b>iFixit Operations Lead</b>	2014 – 2015
Managed 5 part time employees including training and project scheduling.	(35-40 hr/wk)
<b>iFixit Inventory Associate</b>	2014
Wrote MySQL queries to analyze, profit margins, return rates/reasons, and sell rates.	(~10 hr/wk)
Advocated for Right to Repair and social/environmental justice issues through published articles.	
Implemented project management software, Producteev, to manage department inventory workflow and projects.	
Designed Quality Assurance and Parts Testing procedures and created internal documentation.	
<b>Recycled Greenhouses</b>	2014
Construction of greenhouses and potting tables from salvaged windows, siding, barns, and doors.	(~5-8 hr/wk)
Use of table saw, compound miter saw, jigsaw, circular saw, pneumatic air tools, and finishing tools.	
<b>Green Car Group Web Design</b>	2013 – 2015
Trouble shooting and Wordpress design work for carsofchange.com and greencarjournal.com.	(~2-4 hr/wk)
Website migration and backup, HTML, CSS, and FTP client use.	
<b>American Farmland Trust Intern</b>	2013
Conducted interviews and received permission from farmers and photographers to use their work.	(15-25 hr/wk)
Researched and wrote published case studies of environmental stewardship efforts on CA farms and ranches.	