

## Education

### Master of Landscape Architecture

2011-2013

University of Oregon

Thesis: Retrofitting the Urban Environment for Native Bees

Concentration: Psychology of Social Spaces

### Bachelor of Science - Landscape Architecture

2007-2011

University of Wisconsin - Madison

Concentration: Urban Food Systems

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## Instructor Experience

### ENVD 2130 | Instructor, Landscape Architecture Studio

spring 2018

University of Colorado Boulder

- Studio course focusing on landscape design process and professional documentation, both verbal and graphic

### Guest Lecturer, Webinar | School of Design

spring 2016

University of Virginia

- Worked with Tim Beatley and his founded *Biophilic Cities* concept as it relates to urban pollinators
- Taught students proper design techniques and innovative ways to include pollinator habitat in urban projects
- Recorded a *YouTube* webinar for future use and distribution

### Guest Lecturer | Landscape Architecture Studios

2016 - present

University of Wisconsin - Madison

- Planned and taught sophomore design studio lectures focused on urban pollinator habitat corridors
- Contemporary studio structure with executable goals and implementable designs rooted in legislation, education, and research

### Graduate Teaching Assistant

2012 - 2013

University of Oregon

Construction Details Studio and Horticulture in Design

- Established new method of details instruction grounded in post-installation evaluation and sensory-engagement
- Added 30+ plants to horticulture design curriculum
- Modified and catalogued all plants into printable information cards

## Instructor Experience [continued]

### **ENVD 3200 | Instructor, Praxis, Design-Build**

summer 2018 - present

University of Colorado Boulder

- Design-build-research course on urban native bee habitat in coordination with the City of Boulder and multiple private partnerships for funding
- Students are exposed to all parts of the design process, including construction, POE studies, and long-term research
- Focus on graphics/designs for public consumption of scientific data that is meaningful to an individual user

### **ENVD 4023 | Instructor, Environmental Policy**

fall 2018

University of Colorado Boulder

- Focus on environmental policy on multiple scales, NEPA standards/changes, adaptation & mitigation, effective community engagement strategies, and how to affect change through public policy and incentives

### **ENVD 3100 | Instructor, Planning Studio**

fall 2018

University of Colorado Boulder

- Studio course focusing on environmental planning and urban design, contemporary zoning adaptations, linkages, designing for the human experience, and ecological resiliency

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## Research

### **University of Oregon**

Urban Pollinator Habitat

For decades, we have understood what site characteristics are necessary to sustain native bee populations, but we had not quantified the dispersal of habitats required to help them move through the landscape. Most native bee diversity exists in cities because of exceptional plant diversity. After creating accurate distance charts for species, I worked to assess the viability and practicality of urban habitats. The high levels of surface parking lots and other transportation methods is greatly beneficial due to the existence of planting regulations and their dispersal among all economic areas.

Native bees are 20% more efficient, over 90% do not sting, and cost significantly less than honey bee hive rentals. Not only can these bees efficiently assist urban farms and other productive green spaces, but biodynamic/regenerative/organic farms can utilize this research to cut costs and increase diversity and resiliency.

## Publications | Podcasts | Articles

Aaron, Kumasi. (2018, August). **Instructor Creates Rest Stops for Bees in Effort to Save Them**. [Aired on Denver7 News]. Retrieved from: <https://www.thedenverchannel.com/news/national/instructor-creates-rest-stops-for-bees-in-effort-to-save-them>

Bilot, Danielle. (2016, March). **A Simple Way to Save the Bees No One is Talking About**. [Civil Beat Article]. Retrieved from: <http://www.civilbeat.org/2016/03/a-simple-way-to-save-the-bees-that-no-one-is-talking-about/>

Bilot, Danielle. (2015, September). **All Eyes on 'Plan Bee'**. [ASLA Professional Article]. Retrieved from: <https://thefield.asla.org/tag/danielle-bilot/>

Bilot, Danielle. (2014, December). **Pollinators and the City**. [ASLA Professional article]. Retrieved from: <https://thefield.asla.org/2014/12/12/pollinators-the-city/>

Brush, Marc and Tyson, Josh. (2016, December). **Street Bees**. *Natch* Podcast, #095  
Listen at:  
<https://itunes.apple.com/us/podcast/natch/id986930784?mt=2>

Casey, Constance. (2014, June). **The Buzz Stops Here**. *Landscape Architecture Magazine*, 104 (6), 76-80.

Gombas, Lauren. (2017, September). **Designing Cities for Pollinators**. *Pixels to Inch* Podcast, MSU Denver. (website is under conversion currently)

Gray, Haley. (2016, October). **A Sneak Peak Into TEDxMileHighWomen** [5280 Magazine Article]. Retrieved from: <http://www.5280.com/2016/10/a-sneak-peek-into-tedxmilehighwomen/#>

Niedringhaus, Cassa. (2018, July). **CU Boulder Instructor Introduces Parking Lot Plots for Bees: 'The bees can't wait'**. Retrieved from: [http://www.dailycamera.com/cu-news/ci\\_31997141/cu-boulder-instructor-parking-lot-plots-bees](http://www.dailycamera.com/cu-news/ci_31997141/cu-boulder-instructor-parking-lot-plots-bees)

Petersen, Heidi. (2015, November). **Design with Every Bee in Mind** [ASLA Professional Article]. Retrieved from: <https://dirt.asla.org/2015/11/16/design-with-every-bee-in-mind/>

Reissman, Hailey. (2017, March). **How to Save Pollinators? Let Public Land Go to the (Wild) Bees**. [TEDxInnovations Article]. Retrieved from: <https://tedxinnovations.ted.com/2017/03/03/how-to-save-pollinators-let-public-land-go-to-the-wild-bees/>

Shirk, F. Alan. (2016, May). **Cities Hold the Key to Saving the Bees** [Sustainable City Network Article]. Retrieved from: [http://www.sustainablecitynetwork.com/topic\\_channels/environmental/article\\_b8141cd6-179b-11e6-a92a-13accb96bd36.html](http://www.sustainablecitynetwork.com/topic_channels/environmental/article_b8141cd6-179b-11e6-a92a-13accb96bd36.html)

Stiles, Phyllis. (2015, January). **"Pollinators & the City", An Outstanding Article**. Retrieved from: <http://www.beecityusa.org/blog-and-news/pollinators-the-city-an-outstanding-article>

## Conference Presentations

<b>Designing for Diversity with Urban Pollinators</b> Colorado Pollinator Summit   Denver, CO	November 2018
<b>Saving Bee Diversity Through Parking Lots</b> TED NYC Idea Search   Manhattan NY	January 2018
<b>How Parking Lots Can Save the Bees</b> TEDxMileHighWomen   Denver, CO	October 2016
<b>Building Resilience: Redefining Urban Diversity</b> American Institute of Architects [AIA]   Philadelphia, PA Additional Team Members: Timothy Beatley, Mary Ostafi	May 2016
<b>Planting Resilience Among Design Disciplines</b> American Planning Association [APA]   Phoenix, AZ Additional Team Members: Dwane Jones, Mia Blanchett	April 2016
<b>Re-Envisioning Biodiversity: Integrating Pollinator Habitat</b> New Partners for Smart Growth [NPSG]   Portland, OR Additional Team Members: Dwane Jones, Heather Holm	February 2016
<b>Re-Envisioning Biodiversity: Integrating Pollinator Habitat</b> American Society of Landscape Architects [ASLA]   Chicago, IL Additional Team Members: Laurie Davies Adams, Heather Holm, Ann Kalayil	October 2015
<b>Pollinators and the City</b> People + Nature   Houston, TX	October 2015
<b>Retrofitting the Urban Environment for Pollinator Habitat</b> TX-ASLA   Galveston, TX	April 2015

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## Honors | Awards

TED Speaker, 2018  
TEDWomen, Sponsored Guest  
White House Pollinator Action Plan  
TX-ASLA Environmental Stewardship Award  
TX-ASLA Student Awards Judge  
People + Nature Conference Organizer

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## Legislative and Certification Contributions

### People & Pollinators Action Network

February 2017 - current

- Developing legislation for 'Pollinator Parking Lot Ordinance' with People & Pollinators Action Network and CO Speaker of the House, Crisanta Duran

### SITES, LEED, Farm Bill Amendments

January 2015 - current

- Proposing revisions to current certification programs in order to reflect new research on habitat dispersal and composition

### Houston 2022 Sustainability Plan

April 2015

Houston Area Research Council

- Structured recommendations for Sustainability Plan on pollinators, land uses, and green space requirements

### White House Pollinator Action Plan

August 2014 - June 2015

- Devised strategies for overall federal land conversion to pollinator habitat
- Synthesized recommendations to propose SITES-FD for federal land development guidelines

## Work Experience

### **BumbleFumble Studio**

Founder, Creative Director | Denver, CO

September 2017 - current

- Tom Tavella, FASLA and Danielle Bilot, ASLA
- Project types include: greenbelt planning, urban design, rooftop green spaces, natural food headquarters, farms
- Teamed with PPAN on developing new pollinator legislation related to transportation infrastructure
- Developed education materials for students 4th grade - college-level
- Collaborating with Justin's Nut Butter on community partnership and headquarters redesign

### **Kudela & Weinheimer Landscape Architects**

Landscape Designer | Houston, TX

June 2012 - January 2016

- Master Planned Community Division Head
- Responsible for entire process of project, from schematic design to construction administration
- Generate large scale cost estimates over \$17 million, perform construction administration tasks, and lead multidisciplinary meetings

### **DesignBridge Nature Playscape Manager**

Landscape Designer | Eugene, OR

January 2012 - June 2012

- Designed and built playground to promote development of motor and social skills, along with fostering environmental stewardship in ages 1-4
- Acquired donations to complete 90% of the project, for both labor and materials

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## Additional Skills

AutoCAD | Microstation

Adobe Design Suite

Public Speaking

ArcGIS

Sketch-Up

Web Design

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## Grants & Research Funding

### **C3 Boulder**

Innovative Environmental Grant

### **Justin's Nut Butter**

Pollinator Legislation Grant, Praxis Funding