

# Codecinella Technical Talk

Machine Learning

January 23, 2018

Madison, WI



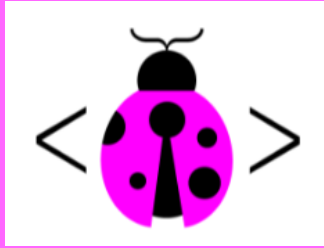
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Lady Bug Fixers

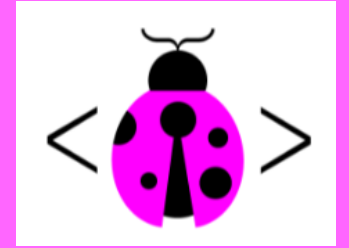
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Inspired by the lady bug, our name is derived from the genus coccinella.

- Who are we?
  - Local women software developers and students
  - All levels of experience:
    - beginner (students, recent 'bootcamp' graduates, curious potential IT folks)
    - intermediate (5-10 years as IT professional)
    - advanced (more than 10 years professional experience in IT)
  - Codecinella operates as a 501(c)3 non-profit organization through fiscal sponsorship by the Center for Community Stewardship (C4CS), our fiscal agent. <http://www.community-stewardship.org/projects/codecinella/>



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- What problems are we addressing?
  - Lack of diversity in IT
    - Women comprise 20% of software developers<sup>1</sup>
  - Shortage of IT talent
    - 1.1 million IT jobs by 2024, of which 41% can be filled by US bachelor degree recipients<sup>2</sup>
  - Poor retention of mid-career women software engineers
    - More than half (56%) of women in technology leave their employers at the mid-level point in their careers (10-20 years)<sup>3</sup>

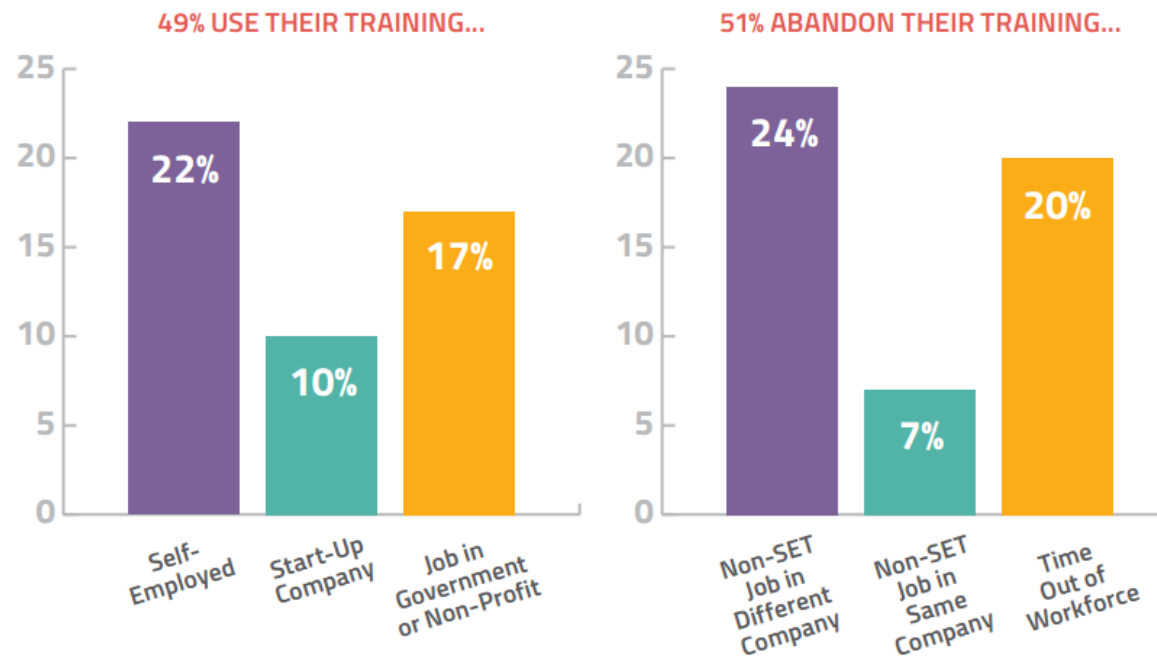


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- Where do we go?<sup>4</sup>

FIG. 1.7 // Women Who Leave the Private SET Workforce—Where Do They Go?

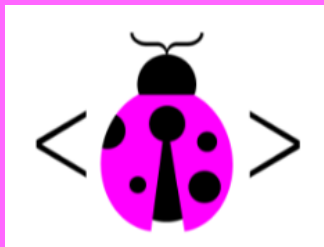




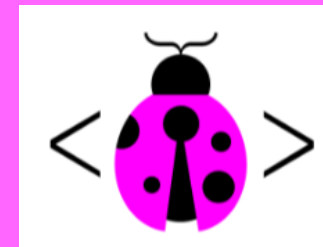
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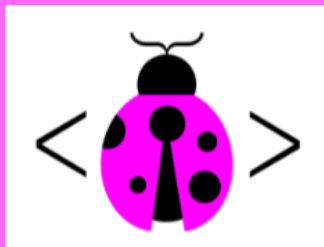
- How do we address these problems?
  - Encourage and support technical women, especially software engineers
  - Focus on retention more than recruitment
  - Hold technical talks, workshops, hack sessions, career panels, technical interview panels, mentoring, et cetera
  - Collaborate with University of Wisconsin-Madison and Madison College
  - Collaborate with local companies and businesses



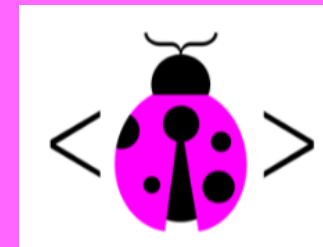
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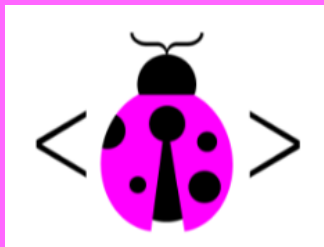
- Past events (2017):
  - Making the World Better One Video Game at a Time, November, 2017
  - Git Basics: Intro to Software Version Control, October, 2017
  - Technical Interview Sprint for Women in Computer Science, September 2017
  - How a Website Works, August, 2017
  - The DevOps Landscape: Tools, Tips and Starting Points, June 2017
  - Becoming a Full Stack Java Developer, May 2017
  - Career Panel, April 2017
  - CodePen Day: HTML, CSS, JavaScript, March 2017
  - How to Make Your Website Not Ugly, February 2017
  - Predictive Analytics with Big Data, January 2017



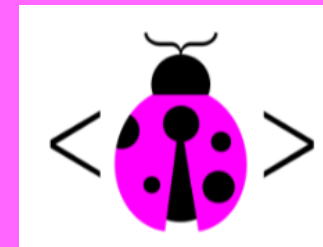
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- Past events (2016):
  - Hands-on Power Query Workshop, November 2016
  - Intro to Power Query, October 2016

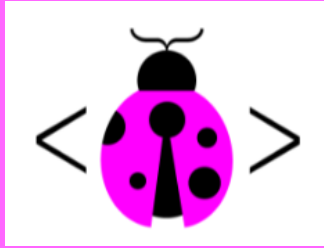


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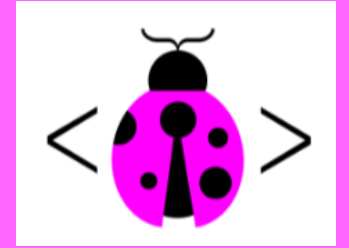


- Upcoming events:
  - Hands-On Hardware Workshop, Saturday, March 3, 9am-1pm
  - Career Panel, Thursday, April 12, 6:30-8:30 pm
  - May
    - A Playful Career in Software Engineering (by a game designer, Allison Salmon)
    - Creating Installation Games and Attractions (Allison Salmon)
  - Summer or Fall
    - Chip Design (by an IBM physical chip designer, Linda Larson)
  - Technical Interview Sprints, Fall

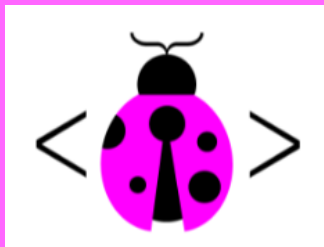




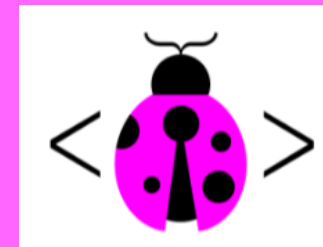
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- Possible Future events:
  - Navigation with and without JS
  - Responsive Design
  - Forms
  - Grid Spec CSS
  - Bootstrap 4.0



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- What do we need?
  - Attendees of our events
  - Technical speakers
  - Sponsors
- Spread the word
  - [Codecinella.org](http://Codecinella.org)
  - [twitter.com/codecinella](https://twitter.com/codecinella)
  - [www.facebook.com/groups/535584243297005](https://www.facebook.com/groups/535584243297005)
  - [meetup.com/codecinella-madison](https://meetup.com/codecinella-madison)
  - [eventbrite.com/o/codecinella-11510486311](https://eventbrite.com/o/codecinella-11510486311)

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- Sponsorship opportunities (tax-deductible):
  - Paypal donations
    - [codecinella.org](http://codecinella.org)
    - <http://www.community-stewardship.org/>



# Codecinella Technical Talk

- Collaborating with:



MADISON COLLEGE *Center for*  
ENTREPRENEURSHIP

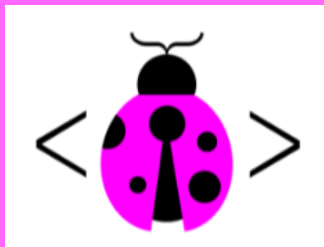
**Madison Women in Tech**

<https://www.meetup.com/Madison-Women-in-Tech/>

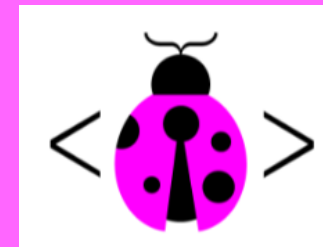
<https://madisoncollege.edu/center-for-entrepreneurship>

<http://www.community-stewardship.org/>





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Footnotes and resources:



1. <https://www.ncwit.org/blog/did-you-know-demographics-technical-women>
2. [https://www.ncwit.org/sites/default/files/resources/btn\\_03092016\\_web.pdf](https://www.ncwit.org/sites/default/files/resources/btn_03092016_web.pdf)
3. <https://www.ncwit.org/blog/did-you-know-demographics-technical-women>
4. [https://www.ncwit.org/sites/default/files/resources/womenintech\\_facts\\_fullreport\\_05132016.pdf](https://www.ncwit.org/sites/default/files/resources/womenintech_facts_fullreport_05132016.pdf)