Maybe the Not Programmers They Deserved…

...but the Programmers They Needed

Whoami

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- Sr Software Engineer, UT Austin
- DjangoGirlsATX Workshop Organizer/Coach
- Python Instructor/Tutor for Girl Scouts of Austin
- @MeganWill16

Jessica Deaton

- Sr Software Developer/Analyst, UT Austin
- DjangoGirlsATX Workshop Organizer/Coach
- DjangoCon US 2017 Organizer
- @__deatz__ (dunder deatz)

Co-creators of Learning Python on Mars
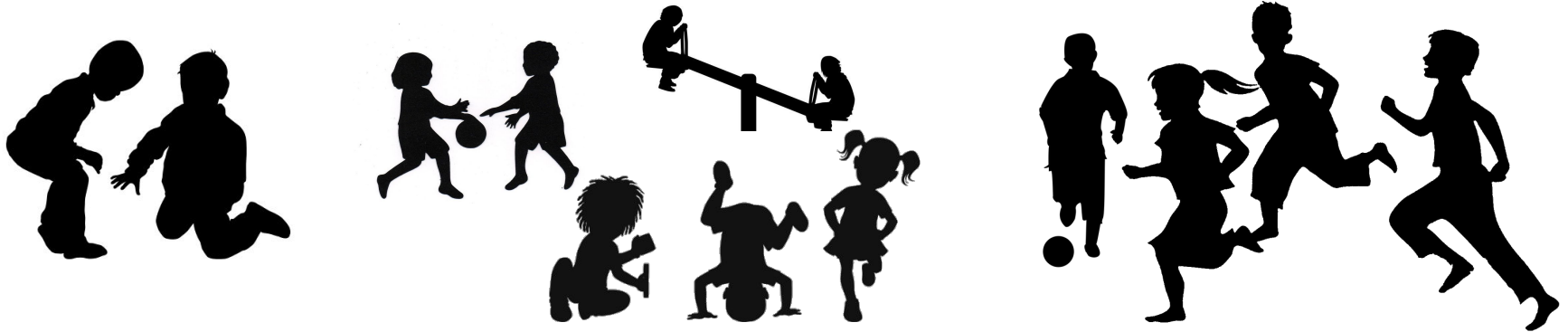
I want to help...

… but I don't have enough experience

… but I'm not an expert or "rockstar"

… but I'm not a great teacher

...but I don't know how

Why Are We Here?

A Metaphor

Chances of Batman rescuing you: **Not Great**

That's Why We Need **You** Need To Help

Learn From Our Experience

Our Use Case:

- Teach Python to two classes at a Girl Scouts Hackathon
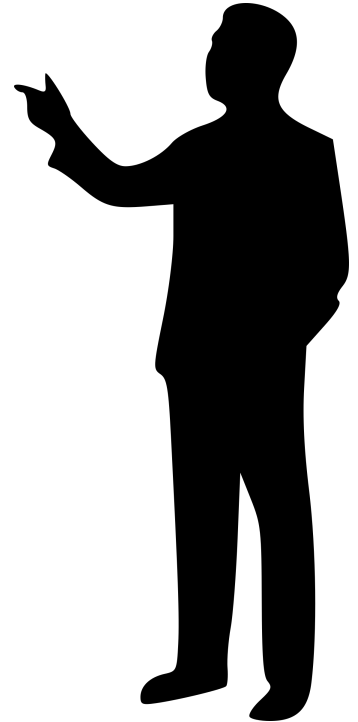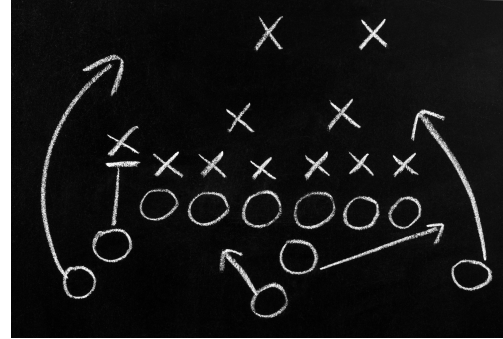- 25 girls in each class
- Ages 10-18
- 8pm - 12am on a Friday

Hint 1: Do Some Research

- Level up!
- Don't reinvent the wheel
- Talk to people who have done this kind of thing before

Hint 2: Make A Plan

- Decide who you want to help
- Decide how you want to help
- Get comfortable with imperfection

Hint 3: Ask For Help

- Even Batman has a team...
- Ask people to help!
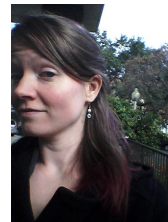- What we did:
  - Assembled a team

Caroline Taylor
IT Manager
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Rebekah Post
Software Developer/Analyst
University of Texas at Austin

Riddhi Mankad
Software Engineer
Atlassian

Maggie Pfeiffer
Software Developer
University of Texas at Austin

Monique Murphy
Sr Software Developer/Analyst
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DEFNA Board Member

Hint 4: Know Your Audience

- What do they want?
- Different expertise levels
- Limit your assumptions

Hint 5: Expect the Unexpected

- Don't panic
- Have a backup plan
- Embrace the moment
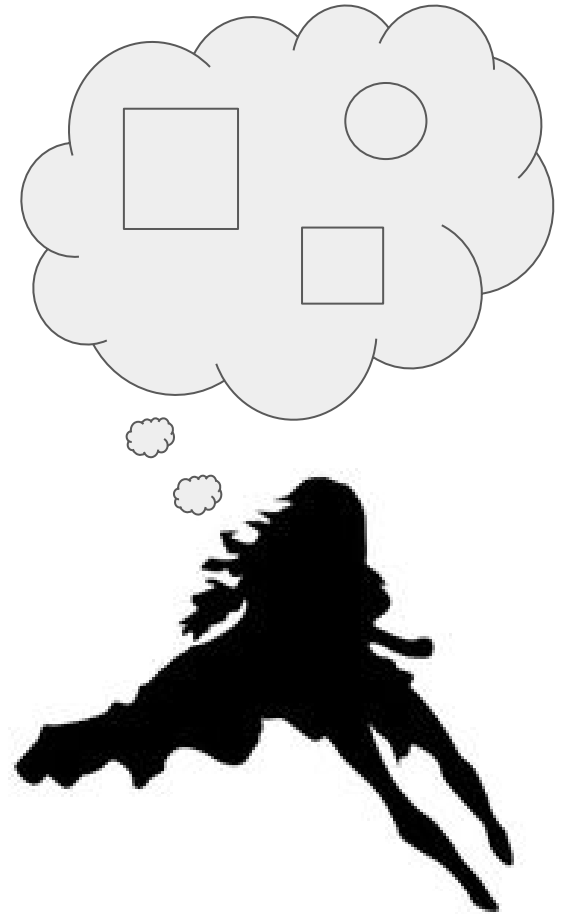
== Start ????

== Save????

Hint 6: Be Vulnerable

- Not knowing all the answers is human
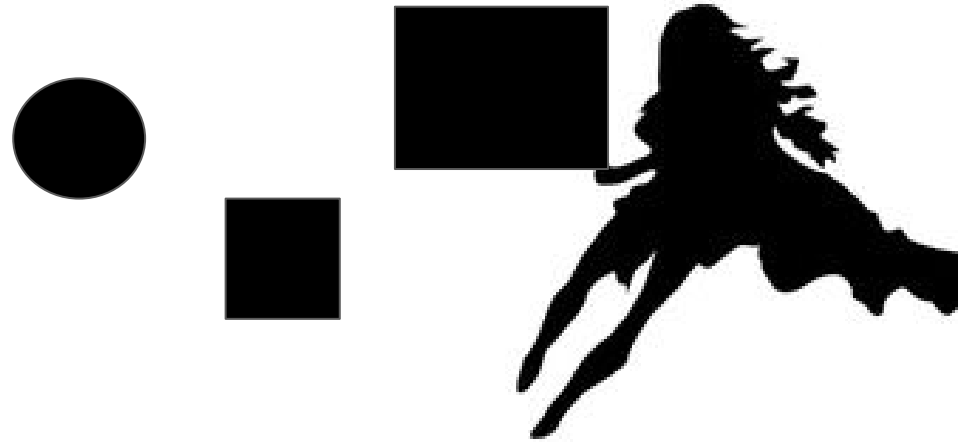- Being human is inspiring
- Take feedback with gratitude

Hint 7: Set Improvement Goals

- Take time to reflect
- Specific to you
- Specific to your project

Hint 8: Refactor

- Practice
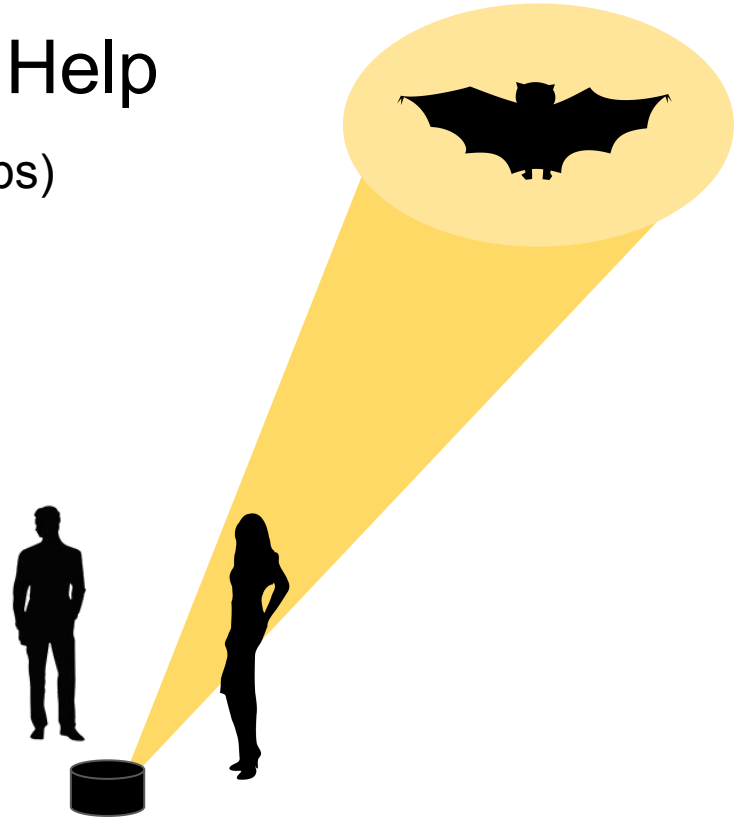- Simplify
- Get/Implement Feedback

Hint 9: Jump In (or wade in)

- Say YES
- It's okay to start small
- Everyone wants you to succeed
- There is no failure in this pursuit

Hint 10: Who Would Like **Your** Help

- Girl Scouts/Boy Scouts (or other groups/clubs)
- Non-Profit Organizations
- Libraries
- Homeless Shelters
- Animal Shelters
- Before- or After- School Programs
- Existing Tutorials or Workshops
- Open Source Projects
- Meetups for Underrepresented Groups
- Conferences/Workshops
- Your Coworkers/Friends/Family

Hint 11: Ways **You** Can Help That Don't Involve Coding

- Raise/donate money for conferences, workshops, or existing projects
- Help translate existing projects/tutorials into other languages
- Offer to organize or manage a project, team, or workshop
- Give a presentation at a Meetup or conference
- Help write documentation for existing projects
- Volunteer for a conference

Once more, with feeling...

- We were not the programmers these girls deserved
- We were the programmers they needed
- You are needed. Desperately.

Contact Us!

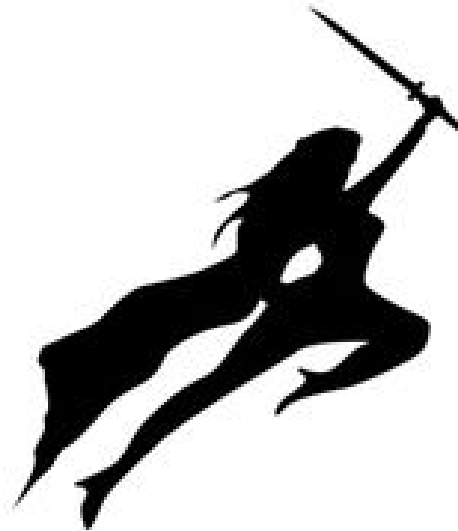## Megan Will

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 megwill4268

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 @__deatz__

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__Learning Python on Mars__

https://www.gitbook.com/book/megwill4268/learning-python-on-mars/details