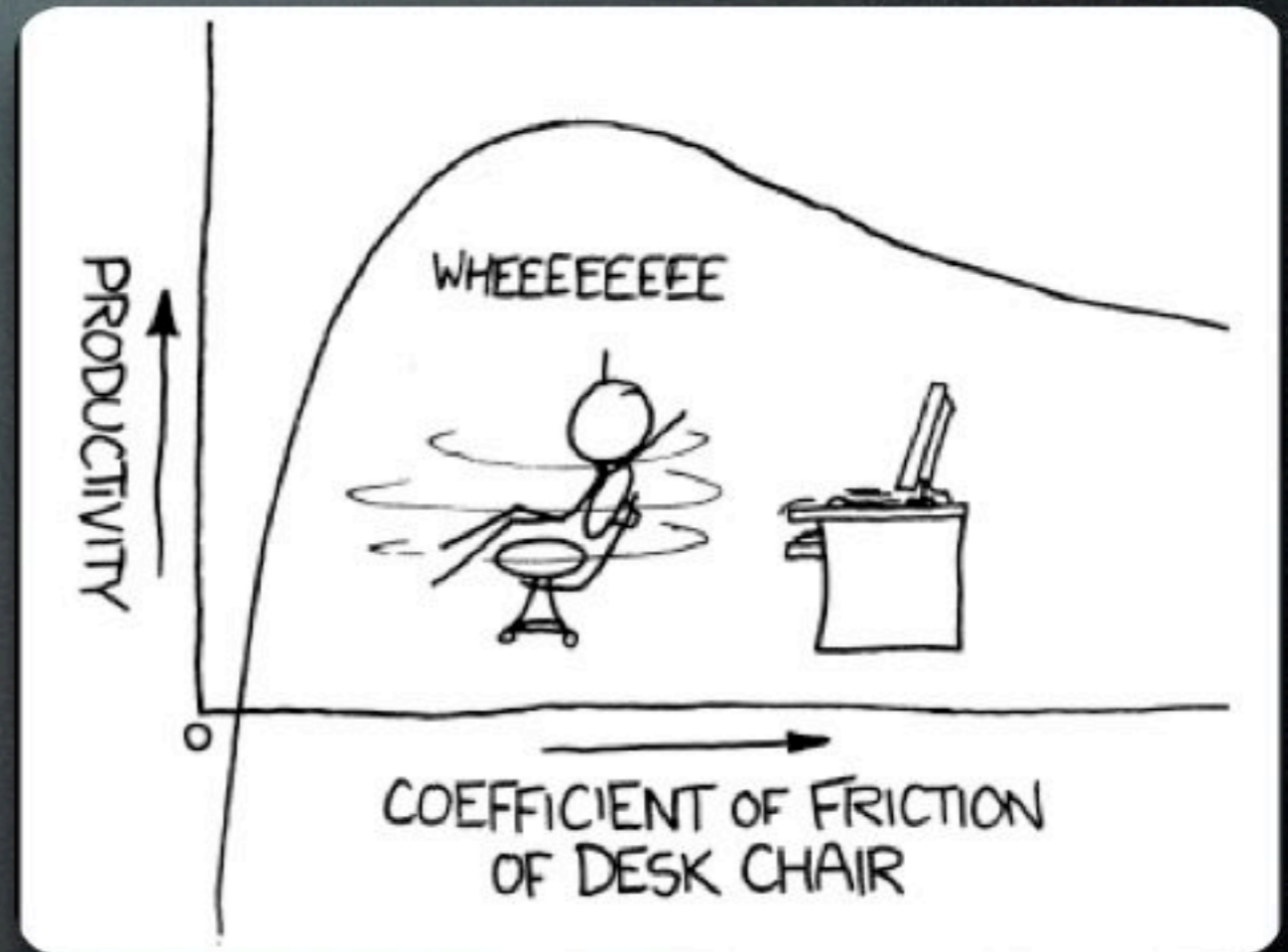


# Developing Productivity

Twin Cities Code Camp  
Fall 2013



# Who Am I?

- Jenna Pederson
- Programmer-geek, developer coach
- Twitter: @jennapederson
- Blog: [www.612softwarefoundry.com/  
blog](http://www.612softwarefoundry.com/blog)

# Agenda

- What is Productivity?
- Elements of Productivity
- What Works for You?
- Wrap Up

# What is Productivity?

the effectiveness of effort:  
rate of output per unit of input

# Difficult to Measure

- How do you measure customer happiness?
- We are knowledge workers, not typists
- We work on different tasks
- Too many variables
- Easy to game

Wait...

Why are we here?

# Elements of Productivity

- Managing distractions
- Quality
- Well-crafted code
- Speed it up
- Make the computer work for you

# Master Your Toolset

- Development practices, team communications, tools
- Learn it inside and out
- Tools are not always the answer



<http://www.flickr.com/photos/89618128@N00/3269784239/>



# Iteration Zero

Set yourself up to be productive

# What Does It Take to Start Delivering?

- Version control
- Bug tracking, task tracker
- Basic project setup
- Build system
- Continuous Integration
- Spikes

# Tame Your Meetings

Do you even need a meeting?

# Tame Your Meetings

- Talk about it NOW
- Stick to an agenda and a time limit
- Employ a 15 minute daily standup
- Use a parking lot





Eliminate  
Multi-tasking



<http://www.flickr.com/photos/sharynmorrow/7383921/in/photostream/>






# Wear Headphones

The "ear muff" kind

# Clipboard Manager

My savior

# Clipboard Managers

-  ClipMenu
-  Jumpcut
-  iClip
-  ClipX
-  CLCL
-  ClipIt
-  Glipper
-  Klipper



# Use a Pomodoro

Manage Distractions

- Pomodoro
- Pomodoro Time Management app
- FocusBooster



<http://www.flickr.com/photos/33593406@N03/7738284384/>

# Eliminate Speculative Development

The only constant in software is change.

# Test Driven Development

(and it's cousins)

# Learn Multiple Languages

- Different types of languages
- Different languages
- Choose the right tool
- Borrow features from other languages

# Write Code That Writes Itself

Metaprogramming

1. bash


```
ent/uploads/2013/09/logo576-576x260.png
ent/themes/hayden/images/flexslider/direction_nav.png
ent/themes/612softwarefoundry/assets/font-awesome/font/fontawesome-webfont.woff?v=3.
ent/themes/612softwarefoundry/assets/font-awesome/css/fontawesome.min.css?ver=3.2.1
ent/themes/612softwarefoundry/style.css
udes/js/comment-reply.min.js?ver=3.6.1
ent/themes/hayden/css/flexslider.css?ver=1.8
ent/themes/hayden/css/superfish.css?ver=1.4.8
ent/plugins/twitter-blackbird-pie/css/blackbirdpie.css?ver=20110416
ent/themes/hayden/style.css
ent/themes/hayden/js/jquery.actual.min.js?ver=1.8.13
ent/themes/hayden/js/jquery.fittext.js?ver=1.0
ent/themes/hayden/js/jquery.flexslider-min.js?ver=1.8
ent/themes/hayden/js/jquery.isotope.min.js?ver=1.3.110525
ent/themes/hayden/js/superfish.js?ver=1.4.8
ent/themes/hayden/js/theme_trust.js?ver=1.0
ent/themes/hayden/js/tinynav.min.js?ver=1.05
ent/plugins/twitter-blackbird-pie/js/blackbirdpie.js?ver=20110404
ent/themes/hayden/js/jquery.fitvids.js?ver=1.0
udes/js/jquery/jquery-migrate.min.js?ver=1.2.1
udes/js/jquery/jquery.js?ver=1.10.2

n.ico
che2] → cat 612softwarefoundry-access.log | cut -d " " -f 7 | sort | uniq -c | sort
```


# Master the Command Line

```
cat access.log | cut -d " " -f 7 | sort | uniq -c | sort -n
```

# iTerm2

 Terminal on  
steroids

# Cygwin

 Unix-like  
environment that  
won't make you  
poke your eyes out



# Put Down the Rodent

Every data entry person  
already knows the mouse is a  
productivity killer

# Eclipse

Mousefeed

# IntelliJ

Key Promoter

```
describe.sublime-snippet ×
1  <snippet>
2      <content><![CDATA[
3  describe("$1", function(){
4  });
5  ]]></content>
6      <!-- Optional: Set a tabTrigger to de
7      <tabTrigger>describe</tabTrigger>
8      <!-- Optional: Set a scope to limit w
9      <!--<scope></scope>-->
10 </snippet>
11
```

# Code Templates & Snippets

# Eclipse

Content Assist -  
Templates

# IntelliJ

Live Templates

# TextMate & Sublime Text

Snippets

# Automate All The Things

- Rake
- Grunt.js
- Chef
- Puppet
- Vagrant
- Capistrano
- Jenkins



<http://www.flickr.com/photos/bravo213/>

# Use Standard Configuration

“A developer walks into an enterprise software shop. Two weeks later, she’s ready to start working.”

- Virtual Machines
- Shared dotfiles
- IDE, metadata, and/or plugins committed to version control



What works for you?

# Resources

[https://github.com/jennapederson/  
tccc15-demo](https://github.com/jennapederson/tccc15-demo)

# Thank You!

Twitter: @jennapederson

Blog: [www.612softwarefoundry.com/blog](http://www.612softwarefoundry.com/blog)