

# Welcome!

**Instructors: Dr. Vicki Bealman & Jamie Pittman**

# Today's Objectives

Tuesday, November 17

- Introductions
- Review syllabus
- Review Week 1 Plan
- Lesson: Setting Up Your Dev Environment
- Wrap up

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# Vicki Bealman



Software developer, mobile game developer, partner in a Web Development Company, and have worn many other hats:

- College Professor
- Computer Science Academy Director & Lead Instructor
- Air Traffic Controller
- Stock Broker on Wall Street
- CPA, Director of Accounting & Finance
- Retail Multi-Unit Management





# Jamie Pittman

she/her  
Durham, NC  
Mac

- BS Exercise Science, MAEd in Health Education
- Bootcamp Grad 2017
- Past Careers Include: Teacher, Program Coordinator, Human Resources, Wellness Coordinator, Account Manager...Software Engineer!

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# Jada Quandt

Developer in Residence  
(DiR)

(she/her) - Atlanta, GA - Mac

- Graduate of DigitalCrafts Flex Cohort in July 2020
- Software Developer Intern at Timbergrove
- Women in Tech (WIT) Volunteer Project Manager for WIT Girls
- BA in Journalism from Georgia State University
- I have a husband named Josh who is a guitar player
- I also have a small dog named Fancy who will occasionally show herself during class



# Tell us about YOU!



1. Name
2. Preferred pronouns
3. Where are you located?
4. Mac, Windows, or Linux?
5. Do you have any development experience?
6. Why did you enroll in this course?
7. Favorite TV Show

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**5 Minute Break**

# Syllabus

<https://learn.digitalcrafts.com/flex/>





# How Class Works: Schedule, Office Hours

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**Flex = Two Instructors!**

## Typically 2-Week Rotations

- **Nov 17, Nov 19, Nov 21:** Both!
- **Nov 24:** Vicki
  - **Thanksgiving Week!**
- **Dec 1, Dec 3, Dec 5:** Jamie
- **Dec 8, Dec 10, Dec 12:** Jamie
- **Dec 15, Dec 17, Dec 19:** Vicki
- **Dec 22:** Vicki
  - **Break until 2021**



## Class Schedule:

- **Tuesdays:** 6:30pm – 9:30pm
- **Thursdays:** 6:30pm – 9:30pm
- **Saturdays:** 10am – 2pm

## Office Hours:

- **Mondays:** 5pm – 7pm EST
- **Tuesdays:** 5pm – 7pm EST, 9:30pm – 10:30pm EST
- **Wednesdays:** 5pm – 7pm EST
- **Thursdays:** 5pm – 7pm EST, 9:30pm – 10:30pm EST

# What Do You Do When You Need Help?

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- Google, Stack Overflow, CSS Tricks, Medium, etc.
- Slack
  - Class Channel
    - Utilize threads to keep the channel tidy
    - Example: First Day Prep Thread
  - Classmates
  - DiR
  - Instructors
    - Response expectations

# Week 1: Developer Fundamentals

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## Learning Objectives

- Command line
  - Run basic commands
  - Navigate the file system
- Version control
  - Create Git repositories
  - Create, merge and rebase branches
  - Clone, push, pull and make pull requests to and from GitHub
  - Resolve merge conflicts

## Technologies

- Unix Terminal
- Bash Shell
- Git
- GitHub
- JavaScript
- Node.js

# Week 1 Plan: 11/17, 11/19, 11/21

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- **Day 1** (Tuesday, 11/17):
  - [Setting Up Your Dev Environment](#)
- **Day 2** (Thursday, 11/19) led by Jamie:
  - [CLI 101](#)
- **Day 3** (Saturday, 11/21) led by Dr. Vicki:
  - [Git 101](#)

**15 Minute Break**

# Setting Up Your Dev Environment

## Overview

There are five(5) primary tools you'll use during your time at DigitalCrafts:

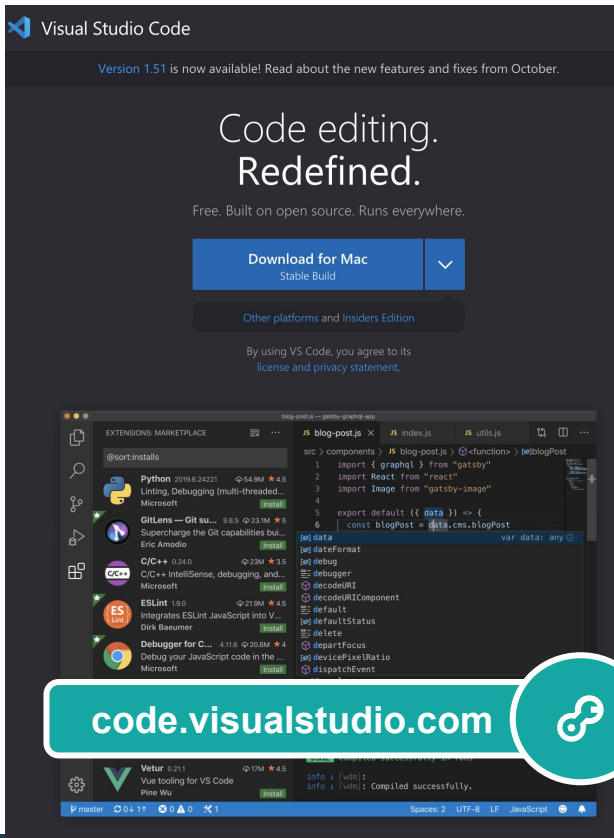
1. The **Visual Studio Code** text editor
2. The **Google Chrome** web browser
3. A **Terminal** app
4. A **package manager** for your Operating System
5. The **Node.js** development environment

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# What We'll Cover:

How to master the most popular Code Editor in the market today: **VSCode**





Distance Collaboration & Coding

Learn While You Code

Fix Mistakes as You Code

Create Your Own Themes/Colors

Compare Changes you Make in Code

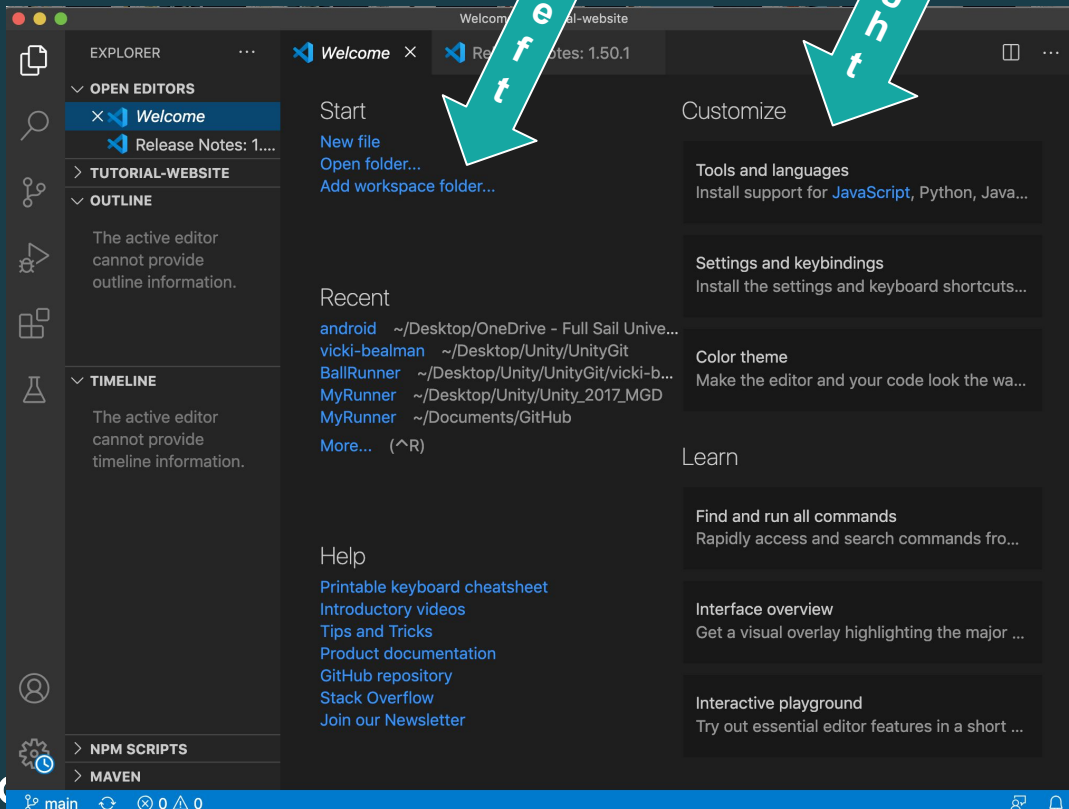
Code Inside of Python Jupyter Notebooks

# Why We Use Visual Studio Code

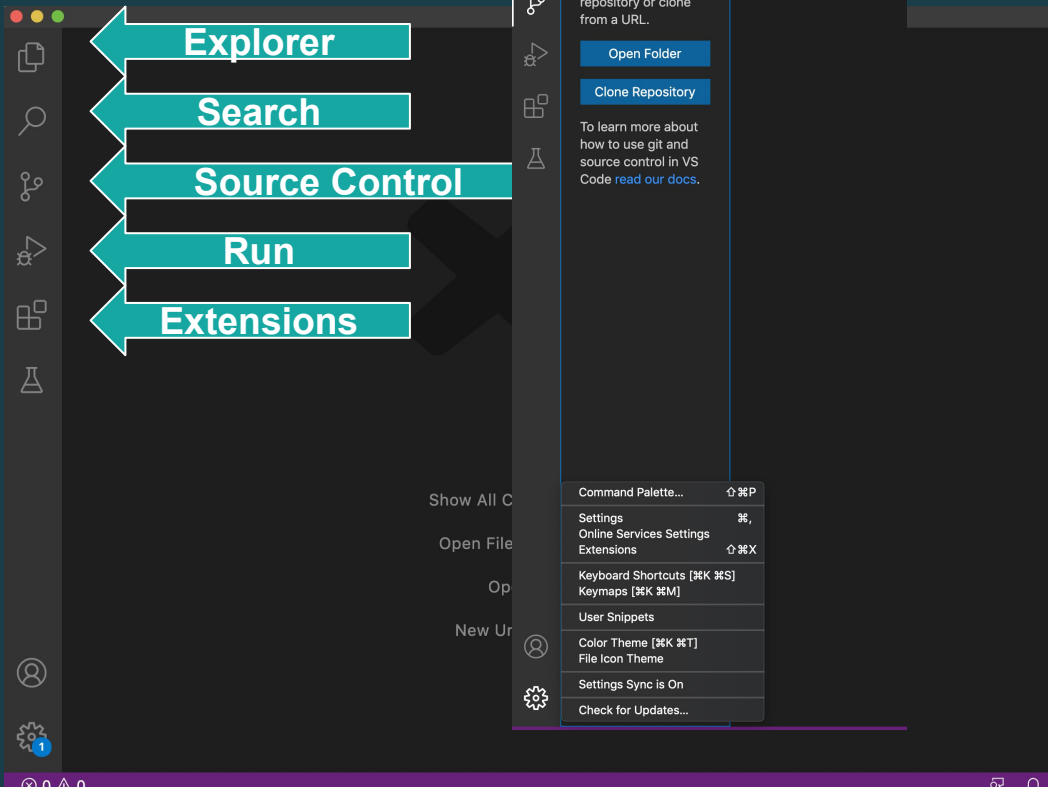




# Open Your VSCode



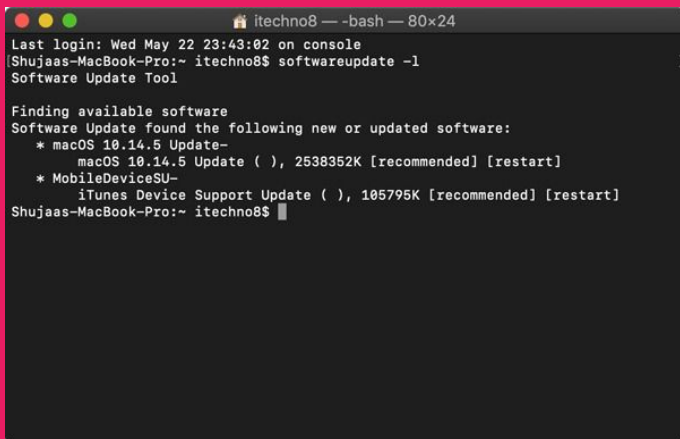
# VSCode



**Download and install Chrome!**

# Terminal

Aka Command Line



```
techno8 — -bash — 80x24
Last login: Wed May 22 23:43:02 on console
Shujaas-MacBook-Pro:~ itchno8$ softwareupdate -l
Software Update Tool

Finding available software
Software Update found the following new or updated software:
 * macOS 10.14.5 Update-
   macOS 10.14.5 Update ( ), 2538352K [recommended] [restart]
 * MobileDeviceSU-
   iTunes Device Support Update ( ), 105795K [recommended] [restart]
Shujaas-MacBook-Pro:~ itchno8$
```

- Day 2 - We will spend next class talking more in-depth about the command line
- We will need to use the command line to install a few things to get us setup
- CMD + Spacebar → Terminal

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# Package Manager

How you manage  
dependencies

Think of it as an app  
store for your command  
line programs!

- **macOS:** Homebrew
- **Windows 10:** Chocolatey
- **Linux:** Ubuntu,  
Debian, etc



## Command Line Tools

macOS

Windows 10

Linux



# Installation Checklist

Mac

- Homebrew
- Tldr
- Git
- Nvm
- Node.js
- **BONUS:** Rectangle
- **BONUS:** iTerm2

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# HOMEWORK

- In the Learning Portal, read through CLI 101. You don't need to do any of the exercises.