

UDACITY CAREER COACHING

Session 6: GitHub

Agenda:

Q&A (Future of B.A. / D.A.)

Q&A (Internship vs. Apprenticeship)

GitHub Review

Sample Pages

Future of Business / Data Analyst

Will A.I. Cancel Me Out?

Job Security Is An Illusion

For some, things work out. For others, not so much.

Pivoting and continuous learning are game changers for most (if not all) professionals.

#1. Inflation

Normal: ~2% - 3%. This spiked up to 9.1% in June/July 2022 (Source: U.S. Bureau of Labor Statistics). Products & services became more expensive so companies cut costs to manage profit margins.

Ex: Advertising – this heavily affected online ad host companies (i.e., Meta).

#2. High-Interest Rates

Federal Reserve began manipulating interest rates in efforts to control America's cash flow. Low interest? Easier, less expensive to borrow money. High-interest rates? More expensive – decrease in economic activity. The decline of capital or operation expenditure projects (i.e., new projects, new R&D trials)

Layoffs.fyi

🕒 Layoffs Tracker 🧑 Have Info?

715 tech companies w/ layoffs · 199889 employees laid off · In 2023 ▾

[LIVE] Welcome! I'm a startup founder that's been tracking tech layoffs since COVID-19. Let me know if you see anything missing!

Bukola – YouTuber/Tech Professional



Everything You Need To Know About Tech Layoffs | Meta Layoffs

Job Security Is An Illusion (Cont.)

For some, things work out. For others, not so much.

The Motley Fool logo

FREE ARTICLE Join Over Half a Million Premium Members And Get More In-Depth Stock Guidance and Research

The Biggest Layoffs in American History

By Daniel B. Kline – Sep 6, 2015 at 10:40AM

#3. Fear of a Recession

Daily/weekly broadcasts of early signs of an economic activity decline. Significant drops in spending, an undesirable shock to our supply-and-demand model.

#4. Investor Pressure

Investors can influence the future & operation strategy of companies. They can push management into action.
Ex: Cut overhead costs, employee #'s, project funding, etc.

#5. Over-hiring During the Pandemic

At-home entertainment & services ERUPTED and then ... declined as Americans returned to work. Tech-based companies saw large amounts of growth and needed more hands on deck to match the increasing demands.

Once the surge was over, several internal teams were either no longer needed and/or shrunk.

NOW WHAT?

See the glass as “HALF FULL”

How is AI changing the world? **How can I help?**

- **Entertainment** | Custom film – music – art (maybe news) experiences.
- **Medicine** | Assist healthcare professionals to better analyze and support their patients (across the nation)
- **Transportation** | Self-driving modes of transportation; road – rail – air – waterway

5 Jobs Created by the Uprise of AI

- #1. **Prompt Engineer**
- #2. **AI Trainer**
- #3. **AI Auditor**
- #4. **AI Ethicists/Ethics Experts**
- #5. **Machine Managers**

You're Hired: 5 New Jobs Created by AI

Many people are worried about artificial intelligence taking over their employment prospects, but some new job titles are cropping thanks to AI.

By [Eric Griffith](#)

April 6, 2023



My advice?

- **Ask** future-forward questions
- Accept that the future is **unpredictable**
- Strive to participate **proficiently** – the financial benefit will follow
- Work against complacency; **you are not done until you are done.**

Prompt Engineer

Those who “communicate” with chatbots.

promptingguide.ai

Improve the capacity of large language models (LLMs) on a wide range of common and complex tasks.

Design robust and effective prompting techniques that interface with LLMs and other tools.

Advice?

Research new, emerging
social needs and **advances**

- *Watch the major cities and global leaders -*

Research **experts** in the field

- *Top-down approach -*

Identify the **foundational** knowledge

- *In business, this would be marketing & operations -*

GENERAL RESPONSIBILITIES

- Designing & implementing software solutions that are capable of processing large amounts of data in real-time

EDUCATION / TRAINING REQUIREMENT(S)

- Fuzzy and flexible... like most tech jobs
 - Can you do the work required?

“Need-to-Know” CONCEPT(S)

- Machine Learning* *
- Programming Languages / Coding {*Python, Java, C++*}
- Algorithm {*Creation, Acquisition, Management*}
- Data Structures {*Values, Relationships, Functions/Operations, Logic*}
- Computer Organization
- Operating Systems
- Writing Techniques /Literature
- Marketing Principles

Internships & Apprenticeships

Where can I find them? How do I find them?

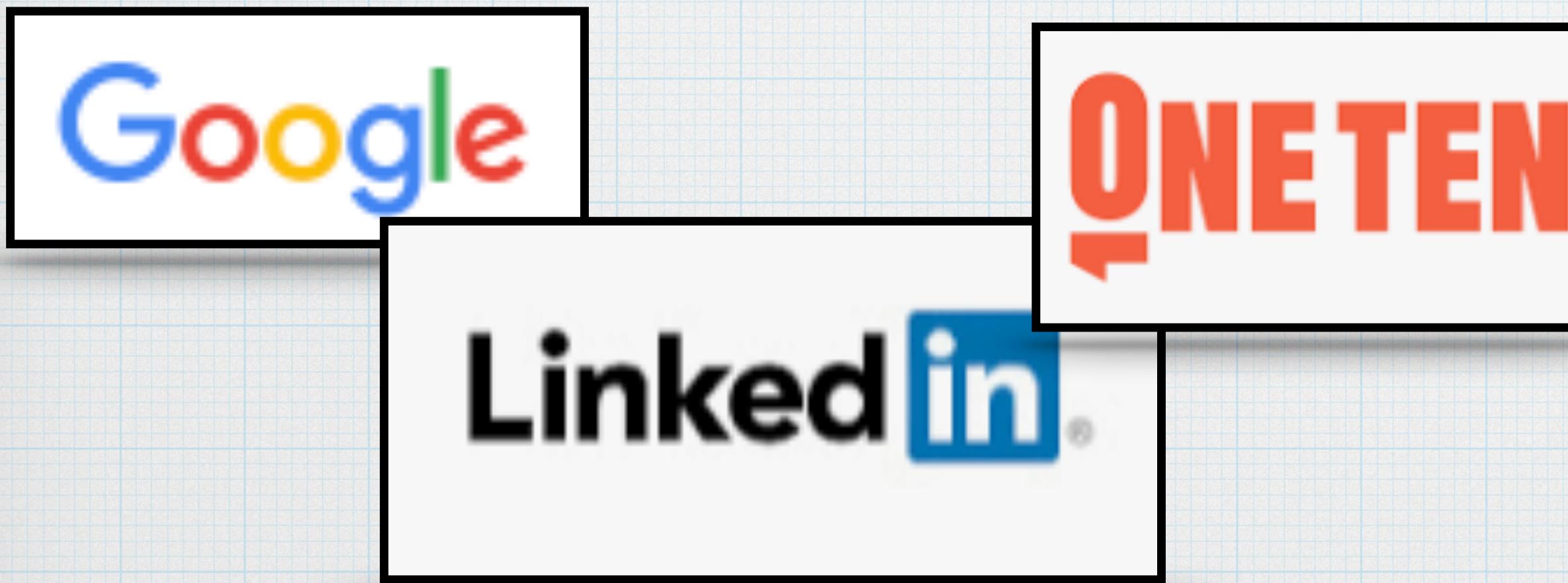
Definitions

In-tern-ship

“the position of a student or trainee who works in an organization, sometimes without pay, in order to gain work experience or satisfy requirements for a qualification”

Ap-pren-tice-ship

“an arrangement in which someone learns an art, trade, or job under another.”



Locations

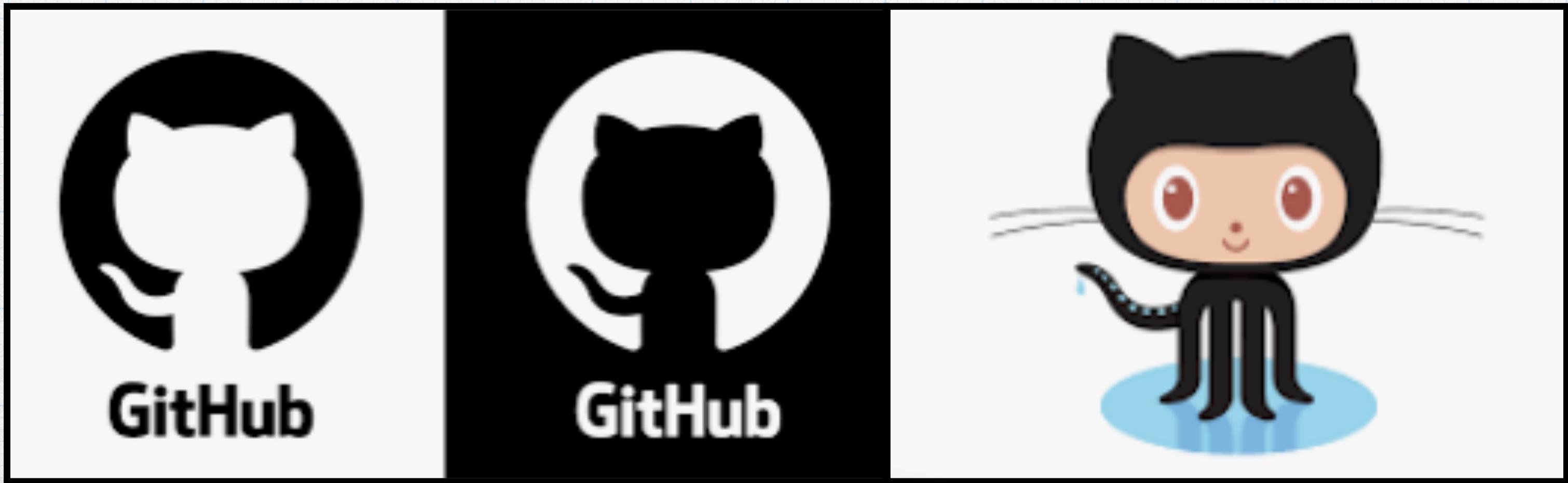
Google — LinkedIn — OneTen Dashboard — Podcast — YouTube — Instagram — TikTok — Twitter — Articles — News Broadcasts — Charters of Commerce (Locality)

Stay Open & Use Discernment; Don't Waste Time With the Scammers (or the like)

- **Search keywords:** “data apprentice”, “tech apprenticeship”, “business apprenticeship”, “Walmart/Google/Ford/Dunken Donut apprenticeship”, “apprenticeship program”, etc.
- **Skim**
- **Save**
- **Apply**
- **Repeat**

GitHub

Introduction



GitHub

An A.I.-powered developer platform used to build, scale, and deliver secure software. Designed to help developers (web, front-end, back-end, etc.), analysts, & coders work more collaboratively. Founded in 2008 – owned by Microsoft.

PRODUCTIVITY

Offers **high-quality workspaces** for developers/coders to code, build, test, store, and open pull requests (ask for changes to be added) from any repository ... anywhere.
- Copilot - Actions - Mobile -

COLLABORATION

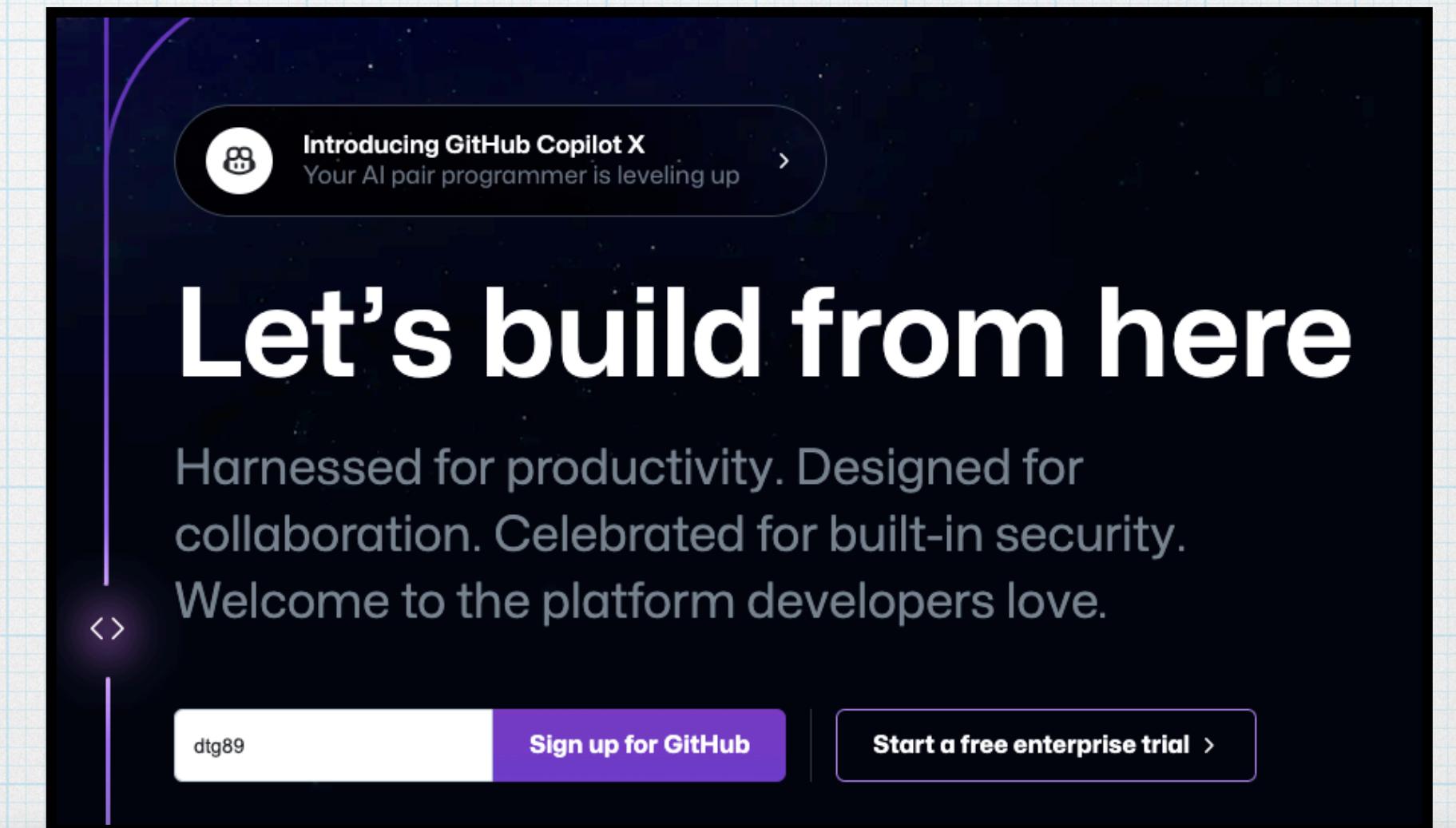
Provides unlimited repositories (data storage), high-quality version control, and **an open-source community for group work**.

- Issues - Project Tools - Discussions -
Pull Request - Sponsors -

SECURITY

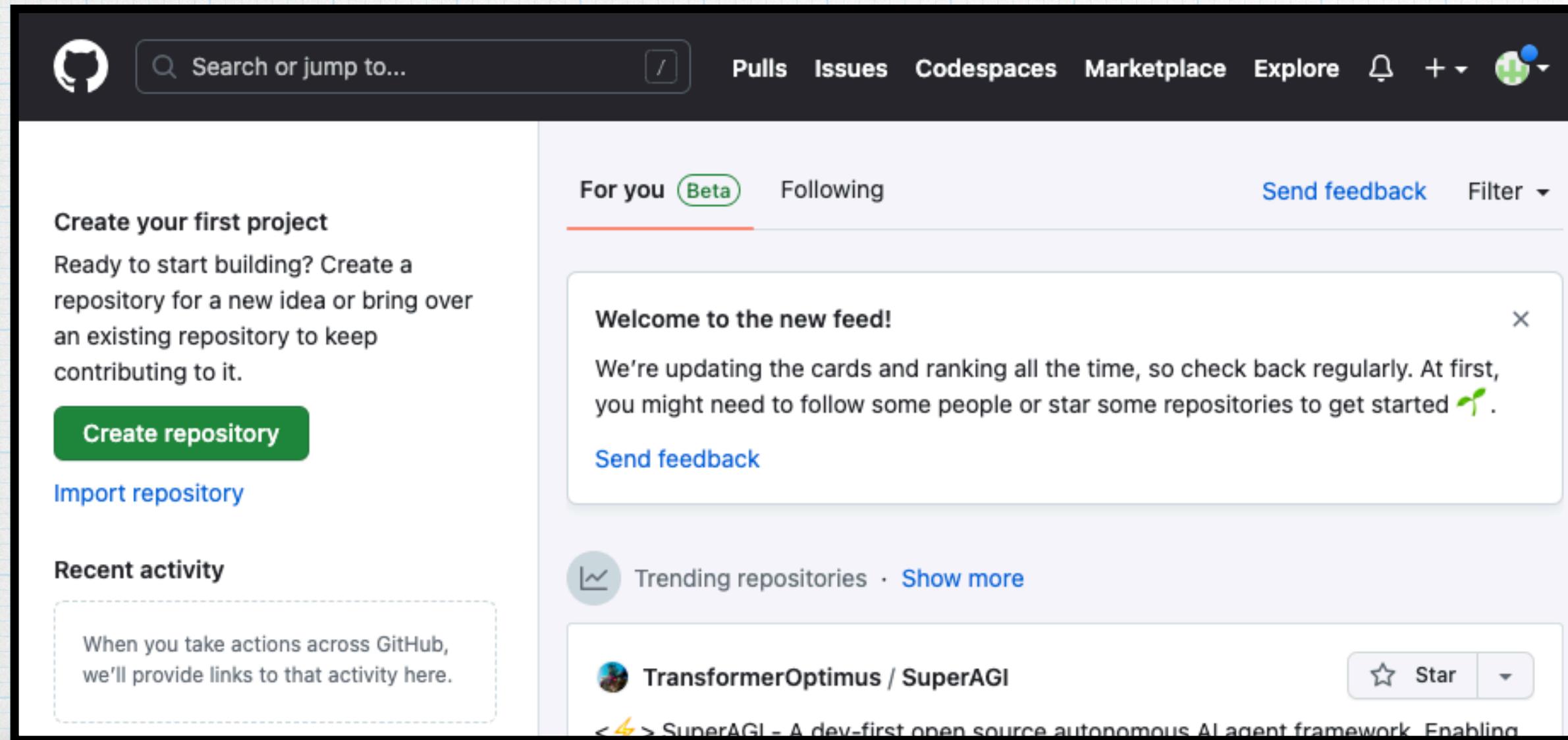
Able to **secure code in minutes** and companies/organizations can automatically comply with regulations.

- Advanced Security - Secret Scanning -
Dependabot - Code Scanning -



GitHub – A Digital Creative Space

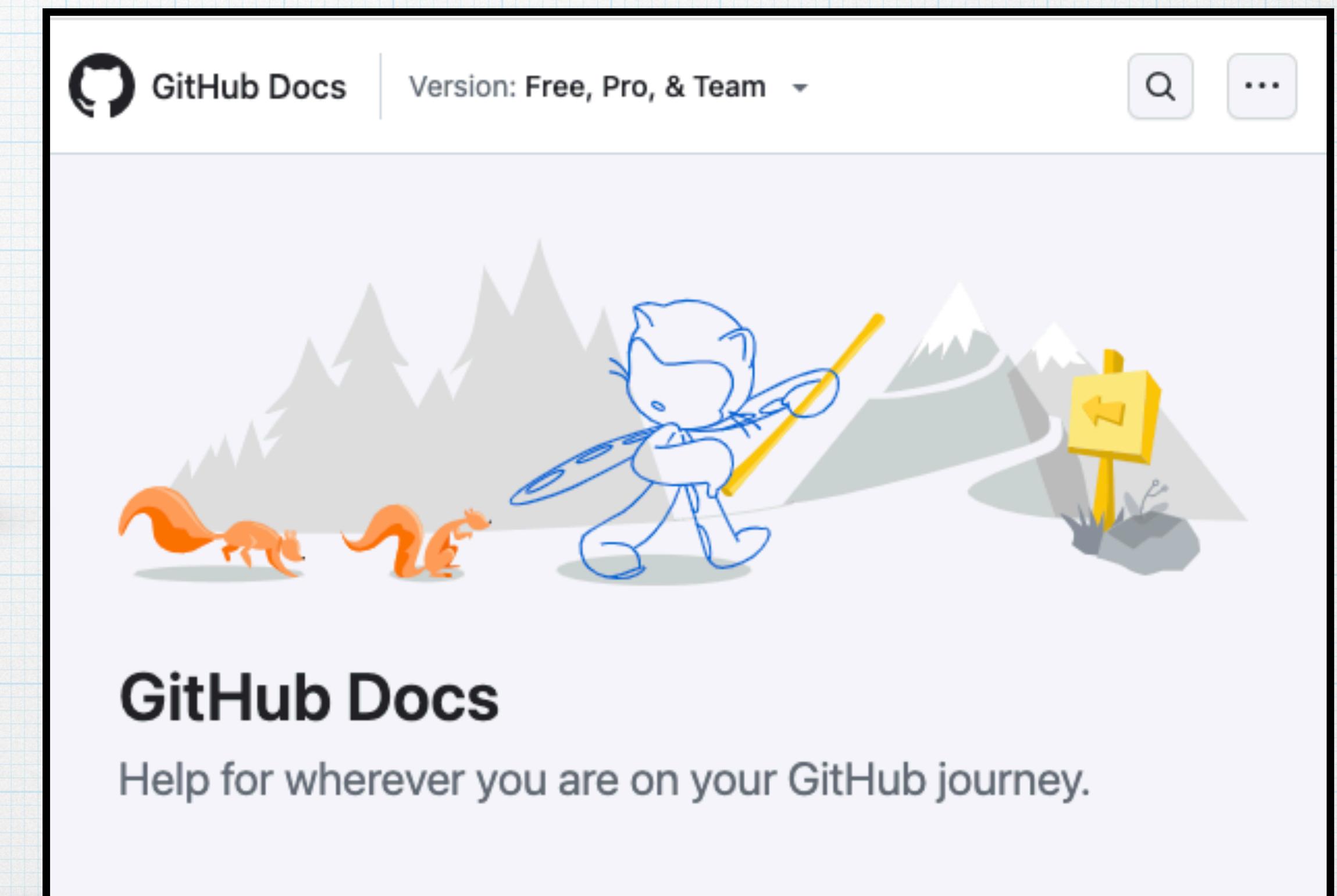
Create A Profile; Use GitHub Docs to Assist!



Initially, your profile will look similar to the snapshot above.

Get familiar with how to upload repositories (i.e., files). *Need help?* Contact me or head over to **GitHub Docs**.

The guides are easy to understand and certain GitHub-specific terms are given definitions. Check it out!



GitHub README.md

An awesome way to stand out is through the use of a Profile README.

Awesome GitHub Profile README FIND US ON Product Hunt 76

awesome arbeitnow If Useful Join Community 36 online Follow @abhisheknaiidu

A curated list of awesome Github Profile READMEs

stars 18k forks 3.2k pull requests 423 open issues 20 open contributors 178 license CC0-1.0

Awesome GitHub Profile

All GitHub Actions Game Mode Code Mode Dynamic Realtime

A Little Bit of Everything Descriptive Simple but Innovative Ones Typing.. Mode

Minimalistic GIFS Just Images Badges Fancy Fonts

Icons Retro

STAR ON GITHUB

Loved the project? Please consider [donating](#) to help it improve!

Mr. Abhishek Naidu, Full-Stack Web Developer & Software Engineer, put together this lovely, curated list of various GitHub profiles.

Each profile showcases a different style in which user can design their profiles / “About Me” information.

Browse through the options — you’ll find lots of goodies and hopefully, some inspiration.

Check it out: <https://github.com/abhisheknaiidu/awesome-github-profile-readme>

High-Quality GitHub Profiles

Let's walk through a few *all-star* pages...

Check them out:

Kelechi, Project Manager

Rashmi, Full Stack Software Developer

Mahbub, Computer Engineer

Abhishek, Web Developer & Software Engineer

Arthur, Data Analyst

****Select their names to access the GitHub profile. ****

Thank You!

Don't Forget to Share Your Thoughts On Today's Presentation!

Feedback Form