Our Structured Learning Recommendations

1. Learn **data** and **modeling** tools in Python (including Hugging Face!)
2. Set up your **software development environment**
3. Learn **version control**, building **APIs**, and **containers**
4. Choose a **business problem** to solve
   a. Find a pre-existing dataset and/or **pre-trained model**
   b. Deploy your **first web application** (locally)
   c. **Containerize** the application and deploy to the cloud
   d. Define **ML metrics** to monitor
   e. **Find users** to try out your solution and get feedback from
   f. **Iterate** on your choice of data and model based on feedback and metrics
   g. Build out a **GitHub with README.md** describing your project
   h. Create a **YouTube video** demonstration and presentation

Curated Content for You!

- **MLOps Tools Demos!**
  - Hugging Face
  - Databricks (MLflow)
  - Iterative (DVC)

# Our Structured Learning Recommendations

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[MLOps Software Development Environment Setup](#)

- Mac OS, Windows, or Linux!

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2. Set up your **software development environment**
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Learn GitHub and FastAPI!

- [Build](#) on your software development environment knowledge!
- Leverage Diffusers from Hugging Face!

Branching out of the Notebook: ML Application Development with GitHub

6K views • Streamed 7 days ago

DeepLearningAI

Welcome to your first week on the job as a Silicon Valley **Machine Learning** Engineer! Your first task is to use code from an ...

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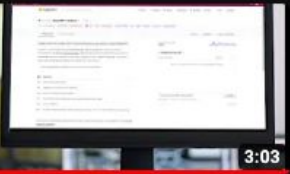   h. Create a **YouTube video** demonstration and presentation

Like this! [Step-by-Step](#)...

- Come up with a business problem, and then containerize and deploy!