**Step 1: Python Basics**

1.1. Install Python: Download and install the latest version of Python from the official website (<https://www.python.org/downloads/>).

1.2. Python Fundamentals:

* Variables and data types
* Operators and expressions
* Control flow (if statements, loops)
* Functions and modules

1.3. Recommended Resources:

* Python.org (Official Python Documentation)
* Codecademy's Python Course
* Python for Data Science Handbook by Jake VanderPlas

**Step 2: NumPy and Data Manipulation**

2.1. Install NumPy: Learn how to install and use NumPy for efficient array manipulation.

2.2. NumPy Basics:

* Arrays and matrices
* Array operations
* Indexing and slicing

2.3. Recommended Resources:

* NumPy Quickstart Tutorial
* DataCamp's NumPy Tutorial

**Step 3: OpenAI Gym and Reinforcement Learning Basics**

3.1. Install OpenAI Gym: Set up the OpenAI Gym environment to work with reinforcement learning tasks.

3.2. Reinforcement Learning Basics:

* Markov Decision Processes (MDPs)
* Rewards, episodes, and policies
* Value and policy iteration

3.3. Recommended Resources:

* OpenAI Gym Documentation
* Reinforcement Learning: An Introduction by Sutton & Barto
* Deep Reinforcement Learning with Python (DRL) course on Udemy

**Step 4: Deep Learning with TensorFlow or PyTorch**

4.1. Choose a Framework: Decide whether to use TensorFlow or PyTorch for deep learning.

4.2. Deep Learning Fundamentals:

* Neural networks and layers
* Loss functions and optimization
* Training and backpropagation

4.3. Recommended Resources:

* TensorFlow Documentation or PyTorch Documentation
* Deep Learning Specialization on Coursera (TensorFlow)
* Deep Learning for Computer Vision with PyTorch on Udacity

**Step 5: Convolutional Neural Networks (CNNs)**

5.1. Learn about CNNs:

* Convolutional layers
* Pooling layers
* Image preprocessing

5.2. Recommended Resources:

* Stanford's CS231n Convolutional Neural Networks for Visual Recognition
* Fast.ai's Practical Deep Learning for Coders course

**Step 6: Implementing Pong from Pixels**

6.1. Study Karpathy's Blog Post: Go through Andrej Karpathy's "Pong from Pixels" blog post carefully and understand the architecture and algorithms used.

6.2. Implement the Project: Start by replicating the project step by step, building the neural network and reinforcement learning components.

6.3. Debugging and Optimization: Debug your code, fine-tune hyperparameters, and optimize your model for better performance.

**Step 7: Further Exploration**

7.1. Reinforcement Learning Algorithms: Explore other reinforcement learning algorithms like DQN, A3C, and PPO.

7.2. Reinforcement Learning Environments: Experiment with different environments beyond Pong.

7.3. Continuous Learning: Keep up to date with the latest advancements in deep reinforcement learning and AI.

Remember that learning and implementing reinforcement learning can be challenging, so don't be discouraged by difficulties along the way. Keep practicing and experimenting, and you'll gradually build your expertise. Good luck with your project!