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**Subject:** How does true artificial intelligence work?

**Source:**

Bravo, Kristina. "How does AI actually work?" Mozilla, 17 April 2023, [blog.mozilla.org/en/internet-culture/how-does-ai-actually-work](https://blog.mozilla.org/en/internet-culture/how-does-ai-actually-work/). "What is Artificial Intelligence and How Does AI Work? | Definition." TechTarget, [www.techtarget.com/searchenterpriseai/definition/Artificial-Intelligence-AI](https://www.techtarget.com/searchenterpriseai/definition/Artificial-Intelligence-AI).

### Annotations

**Assessment:**

To create artificial intelligence I need to know what defines it to create true understanding, this is why I took in the recent article from Mozilla recommended to me by several online mentors. When reading this source I began to understand the difference between a hardcoded program and true artificial intelligence. In basic terms, while all AI can be considered software, not all software can be considered AI. AI is specifically designed to mimic human intelligence and improve over time, while traditional software operates within a fixed set of parameters defined by its code. My guiding question has been: how do you breach this fixed set of parameters and cross the line?

Crossing the line from traditional software to artificial intelligence involves a series of steps where you introduce and integrate AI capabilities into the existing software framework. This transition is not just about adding new features but about fundamentally changing how the software operates, making it capable of learning, adapting, and making decisions independently. While there are more details explaining each of these steps with examples within my annotations what I have learned is this: Identify AI Opportunities, Data Collection and Preparation, Choose the Right AI Techniques, Develop or Integrate AI Models, Training and Test the AI Models, Implementation and Automation, Continuous Learning and Adaptation, Ethical Considerations and Transparency, and finally Monitoring and Maintenance.

Now how will I follow this process? In order to take the suggestions of the article into account, I will first finish my software fully. After full software development, I will identify places where AI can best help improve it I.E. interpreting which data is important and how to best present it. To integrate AI into my software that processes and displays data, I'll start by defining clear AI objectives that complement my application's goals, such as enhancing data analysis or tailoring user experiences. I will collect and prepare high-quality, relevant data, making sure it's clean and organized. I'll choose appropriate AI techniques and tools that fit my software's requirements, considering user-friendly machine learning libraries like TensorFlow or Scikit-learn, or opting for cloud AI services for a more straightforward integration. Next, I'll develop or integrate AI models into my software, ensuring they work seamlessly with the existing data workflows. I'll train and refine these models using my prepared data to optimize their performance. I'll also make

sure that the AI-generated insights are presented in an intuitive way within my software's interface. I'll implement mechanisms for continuous learning to allow my AI models to evolve and adapt over time. I'll address ethical concerns by being transparent about how the AI uses data and ensuring fairness in AI outcomes. Finally, I'll regularly monitor and maintain the AI components to ensure they remain effective and relevant. By following these steps, I aim to enhance my software's functionality and provide greater value to my users.

This source overall is crucial in planning where to go next in my final product development, and I will now be using this step-by-step process to get me through the last home stretch.