

# AI/ML ASSISTED TESTING TOOLS

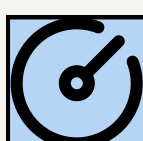
2024

A list of various good AI assisted tools for various testing needs and situations. Curated by VALA's QA Lead [Mikael Mäkelä](#), who used [Klaudia Dussa-Zieger's](#) material as main reference. Bear in mind, these are not VALA's suggestions or unambiguous truths about "best" tools. The list was initially gathered in February 2024, so it most likely is in some parts outdated when you read this.



## STATIC TESTING & CODE ANALYSIS

- [DeepCode](#) - Automated code review
- [Embold.io](#) - Code review, detect potentially buggy code
- [Infer](#) - Produce a list of potential bugs



## PERFORMANCE TESTING

- [Mabl](#) - Perf. testing amongst many other things
- [TestCraft](#) - Leverages GPT-4 to simplify testing process
- [Applitools](#) - Perf. testing amongst many other things
- [Functionize](#) - Perf. testing amongst many other things



## SECURITY / PENETRATION TESTING

- [Pentoma](#) - Automate penetration testing
- [burpgpt](#) - Uses AI capabilities to identify security vulnerabilities
- [Pentest GPT](#) - Automate penetration testing

- [Faker](#) - Test data generation
- [Selenium](#) - Now equipped with AI to provide extensive flexibility for running and executing tests.
- [DrQA](#) - fetching the answers from the documents

## OPEN SOURCE



## TEST DESIGN, IMPLEMENTATION, EXECUTION & LOGGING

- [AccelQ](#) - AI-Powered Codeless Test Automation on the Cloud
- [Applitools](#) - Visual confirmation tool
- [Apptest.ai](#) - AI-Automated Mobile App Testing
- [Aqua](#) - Test management with AI
- [Botium](#) - Test data and test automation for ChatBots
- [ChatGPT](#) - You must know this one...
- [Diffblue](#) - AI-powered unit test writing
- [Eggplant](#) - AI-powered software test automation
- [Functionize](#) - Test case creation with NLP technology
- [Mabl](#) - Self-healing tests
- [Retest](#) - AI-based test automation
- [SmartBear](#) - Tools for visual testing and automation
- [Sofy.ai](#) - Exploratory testing engine
- [Testim](#) - Web and mobile testing with AI
- [TestCraft](#) - GPT-4 powered test automation
- [TestRigor](#) - Generative AI-based Test Automation
- [Wopee.io](#) - Autonomous visual testing

- [Pandas](#) - Python library for asking questions to your data
- [Numpy](#) - The fundamental package for scientific computing with Python
- [Scikit-learn](#) - Machine learnign in Python
- [Matplotlib](#) - Visualization with Python
- [TensorFlow](#) - An end-to-end open source machine learning platform
- [Claude AI](#) - Next generation AI assistant built for work and trained to be safe, accurate, and secure.
- [Copilot](#) - Microsoft's Copilot uses AI to boosts productivity and helps you understand information better
- [Seaborn](#) - Seaborn is a library for making statistical graphics in Python.
- [Pytorch](#) - An open source machine learning (ML) framework based on the Python
- [Google Cloud ML Engine](#) - AI Platform to train your machine learning models at scale
- [Theano](#) - A numerical computation library for Python.
- [Microsoft Azure Machine Learning](#) - Build Powerful Cloud-Based Machine Learning Applications
- [IBM Watson Machine Learning](#) - A full-service IBM Cloud offering
- [Amazon SageMaker](#) - A cloud based machine-learning platform

## GENERAL PURPOSE AI TOOLS & FRAMEWORKS

