



Wikimedia Hackathons



WIKIMEDIA
COMMUNITY USER GROUP
GREECE

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What is a hacker?

A computer **hacker** is any skilled computer expert who uses their technical knowledge to overcome a problem.

Source: [Hacker](https://en.wikipedia.org/wiki/Hacker) (<https://en.wikipedia.org/wiki/Hacker>)

What is a hacker?

An adherent of the technology and programming subculture; see [hacker culture](#).

The **hacker culture** is a [subculture](#) of individuals who enjoy the intellectual challenge of creatively overcoming limitations of [software systems](#) to achieve novel and clever outcomes.^[1] The act of engaging in activities (such as programming or other media^[2]) in a spirit of playfulness and exploration is termed "hacking"

Source: [Hacker](https://en.wikipedia.org/wiki/Hacker) (https://en.wikipedia.org/wiki/Hacker) / [Hacker culture](https://en.wikipedia.org/wiki/Hacker_culture) (https://en.wikipedia.org/wiki/Hacker_culture)

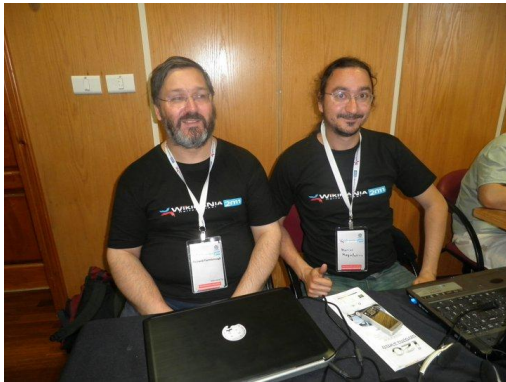
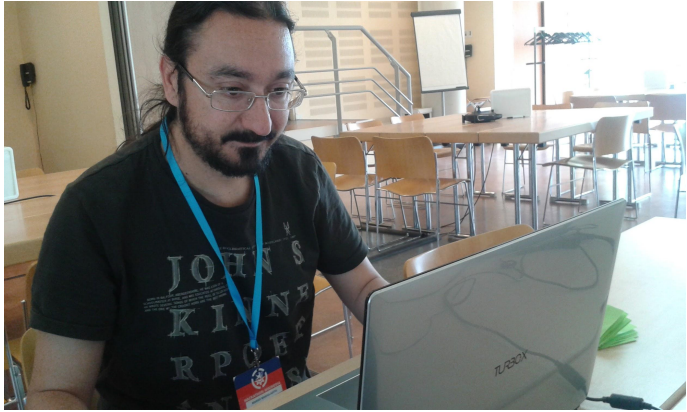
What is a (Wikimedia) hackathon?

A hackathon is an event in which a large number of people with different skills meet and work together on a common goal. It can last between a few hours and several days.

Wikimedia Hackathons normally last **between 2 and 4 days** and focus on **technologies and projects powering Wikipedia and thousands of MediaWiki installations**. Wikimedia hackathons are essentially **large development community meetups** that attract many developers and designers who care deeply about the issues and technology impacting MediaWiki and the Wikimedia projects. You will get a chance to **work together with other developers, designers and Wikimedians**, in a **productive, fun, and supportive** environment.

Wikimedia hackathons play an important role **energizing our engineering community** and **connecting it to local groups**. We need more of them in different places!

Source: [Hacker](https://en.wikipedia.org/wiki/Hacker) (<https://en.wikipedia.org/wiki/Hacker>) / [Hacker culture](https://en.wikipedia.org/wiki/Hacker_culture) (https://en.wikipedia.org/wiki/Hacker_culture)



Wikimedia Hackathon



The Wikimedia Hackathon is a major event that brings together developers from all around the world to improve the technological infrastructure of Wikipedia and other Wikimedia projects, particularly the MediaWiki platform on which they are based, and other Wikimedia code development.

Source: <https://www.mediawiki.org/wiki/Hackathons>

Some ideas

Huggle

An anti-vandalism desktop application for Wikimedia projects

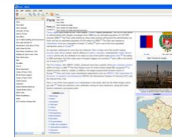
- Skills required: C++ with Qt
- Get in touch: [Mailing list](#) / Chat in [#huggle](#) ^{connect} on irc.freenode.net
- Get the source code: [GitHub](#)
- Read the [user](#) and [programmer](#) documentation
- Check the recommended tasks to work on: [Phabricator](#)
- Mentor(s): [Peter Bena](#)



Kiwix

An offline reader for Wikipedia web content

- Skills required: Java (Android app), Swift (iOS app)
- Get in touch: [Mailing list](#) / Chat in [#kiwix](#) ^{connect} on irc.freenode.net
- Get the source code: [GitHub](#)
- Read the [general documentation](#) and the README.md file of the corresponding project
- Check the recommended tasks to work on: [Android](#), [iOS](#), [JS](#) on GitHub
- Mentor(s): [Matthieu Gauthier](#), [Emmanuel Engelhart](#), [Stephane Coillet-Matillon](#)



Commons App for Android

An app for Android devices to upload your pictures to Wikimedia Commons

- Skills required: Java
- Get in touch: [Google Groups](#)
- Get the source code: [GitHub](#)
- Read the [documentation](#)
- Check the recommended tasks to work on: [GitHub](#)
- Mentor(s): [Josephine Lim](#)



Wiki Education Dashboard

A web application that supports Wikipedia education assignments, provides data and course management for instructors and students

- Skills required: Ruby, JavaScript
- Get in touch: [#wikimedia-ed](#) ^{connect} on irc.freenode.net
- Get the source code: [GitHub](#)
- Read the [documentation](#)
- Check the recommended tasks to work on: [GitHub](#)
- Mentor(s): [Sage Ross](#)



Some ideas



A web service and API that provides [machine learning as a service](#) for Wikimedia projects. Machine predictions are used to catch vandalism, measure article quality, and support other wiki work.

- Skills required:
 - Translation and language assets: Speak and write any non-English Language
 - Front-end development: HTML, JavaScript, CSS
 - Back-end development: Python, Redis, Postgress
 - Modeling: Python, Scikit-Learn
 - Extension: PHP (mediawiki), MariaDB
- Get in touch: [Mailing list](#) / Chat in [#wikimedia-ai](#) connect on [irc.freenode.net](#)
- Get the source code: [wiki-ai/ores](#), [wiki-ai/revscoring](#), [wiki-ai/wikilabels](#)
- Read the [documentation](#).
- Check the recommended tasks to work on: [Phabricator](#)
- Mentor(s): [Aaron Halfaker](#) & [Adam Wight](#)



A *Python* library and collection of scripts that *automate work* on MediaWiki sites.

- Skills required: Python
- Get in touch: [#pywikibot](#) connect on [irc.freenode.net](#) / [Mailing list](#)
- Get the source code: Use [git](#) to get the source code
- Read the [documentation](#)
- Check the recommended tasks to work on: [Phabricator](#)
- Mentor(s): [Dvorapa](#)



Library Card platform

A tool allowing Wikimedia contributors to apply for free access to [paywalled](#) resources.

- Skills required: Python, Django
- Get in touch: [#wikipedia-library](#) connect on [irc.freenode.net](#) / [wikipedialibrary@wikimedia.org](#)
- Get the source code: [GitHub](#)
- Read the [documentation](#)
- Check the recommended tasks to work on: [Phabricator](#)
- Mentor(s): [Sam Walton](#)



Some ideas

The screenshot shows the AutoWikiBrowser application window. The title bar reads "AutoWikiBrowser - Default.xml - Abşeron abidəsi (film, 2009)". The interface is divided into several sections:

- Line 57:** A comparison of two versions of a line of text. The left version shows the text "Çəkilişə köməklik edən qurum" followed by a yellow highlight on "[[Butafilm]]
" and another yellow highlight on "Həmçinin bax". The right version shows the same text but with "[[Butafilm]]" highlighted in blue.
- Make list:** A section on the left with a "Source:" dropdown set to "Random pages" and a "477 pages" indicator. A "Make list" button is present. Below is a list of page titles, with "Abşeron abidəsi (film, 2009)" selected.
- Options:** A central section with tabs for "Options", "More...", "Disambig", "Skip", and "Start". It includes "Default Summary" (set to "düzenleme"), "Lock" (unchecked), and "Minor edit" (checked). There are buttons for "Start", "Stop", "Preview", "Diff", "Watch", "Move", "Protect", "Delete", and "Skip". A "Save" button is highlighted in green.
- Edit box:** A section on the right with tabs for "Edit box", "History", "What links here", "Logs", "Page Logs", and "Typos". It contains a text area with the following code:

```
/* Çəkilişə köməklik edən qurum */düzenleme
<<Film
|şəkil = Abşeron abidəsi (film, 2009).jpg
|şəkil miqyas = 300
|şəkil məlumat =
|Ad = ABŞERON ABİDƏSİ
|Əsərin müəllifi =
|Sənəri müəllifi = Emin Əfəndiyev
|Rejissor = Emin Əfəndiyev
|Operator =
|Rəssam =
|Bəstəkar =
|Səs operatoru = Ələkbər Əliyev
|Montaj edən = Emin Əfəndiyev
|Rollarda =
|Filmi səsləndirənlər =
|Janr = [[Sənədli (film janrı)|Sənədli]]<br/>
[[Qısametrajlı (film janrı)|Qısametrajlı]]<br/>
[[Tarixi (film janrı)|Tarixi]]<br/>[[Bioqrafik
(film janrı)|Bioqrafik]]
```
- Page Statistics:** A section showing "Page statistics" with values: Words: 192, Links: 15, Images: 0, Categories: 7, Interwiki links: 0, Dates 0/1/A: 0/0/0.
- Alerts:** A section with a "Multiple wiki-links:" warning and a list of "Azərbaycan Dövlət Mədə Mərkəzi (2)".
- Footer:** A status bar at the bottom showing "Ready to save", "Pages/min: 22", "Edits/min: 2", "Edits: 902", "Skipped: 528", "New: 0", "az.wikipedia", and "Nivels: 0".

Acknowledgments

All photos are available on Wikimedia Commons.

Slides are available on Wikimedia Commons, Academia.edu and ResearchGate.

More info can be found at: <http://magioladitis.gr>