

Postdoctoral Researcher in Artificial Intelligence / Machine
Learning Engineering [Academic Research Software
Engineer]
Aalto University

Direct Link: <https://www.AcademicKeys.com/r?job=258387>

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Posted Jun. 17, 2025, set to expire Dec. 31, 2025

Job Title Postdoctoral Researcher in Artificial Intelligence /
Machine Learning Engineering [Academic Research
Software Engineer]

Department T313 Dept. Computer Science

Institution Aalto University
, , Finland

Date Posted Jun. 17, 2025

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Computer Science

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-Researcher-in-Artificial-Intelligence---Machine-Learning-Engineering--Academic-Research-Software-Engineer-_R43575

Apply By Email

Job Description

Aalto University is looking for an

Postdoctoral Researcher in Artificial Intelligence / Machine Learning Engineering [Academic Research Software Engineer]

to a postdoctoral-level position. The desired start dates would be as soon as possible in 2025.

Are you more of a programmer than your researcher colleagues? Are you more of a researcher than commercial developers? Do you want a career that involves research and science but isn't the academic tenure track? The Academic Research Software Engineer position is your next step on that

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path.

This position will be similar to a postdoc, but with an emphasis on research infrastructure and technology rather than preparation for an academic career path. You will be involved in research, but more focused on learning and improving how computing, workflows, and data are used in research than finding your own novel research results and publishing them.

You will work in a research group and be affiliated with [\[url=https://scicomp.aalto.fi/about/\]](https://scicomp.aalto.fi/about/)Aalto Scientific Computing (ASC). You'll serve as an intermediary between the two. Compared to the staff of ASC, you will be directly based in a research group, much more involved in day-to-day research, follow projects for a much longer period, and more involved in publications. Compared to a typical academic position, you will have a joint affiliation with ASC and get extra training in research engineering. There will be less emphasis on novel results for the sake of novelty, and more on applying and developing best practices in the way the research is done.

In this position, you will: *

Serve as the local research software engineer for your research group(s) and improve the use of computing among all group members. *

Stay up to date with the latest HPC, AI, and general computing/data management practices, evaluate latest developments, and implement whatever is most suitable. *

Possibility to take part in publications as a research engineer. *

Provide one-on-one and group research support from a software, programming, Linux, data, and infrastructure perspective: short-term projects helping researchers with specific tasks, so that the researchers gain competence to work independently. *

Provide good role models of best open science practices. *

As needed and depending on interest, teaching and other research infrastructure support.

General qualifications: As expected for a computational-science postdoc or doctoral student position in your field, with a special focus on high-quality computation and data management

This particular call emphasizes general AI skills and interest to take part in MLOps, including (but not limited to) performance tracing for improved scalability, energy efficiency and fault tolerance in ML training / inference. We seek to improve our AI and machine learning work by bringing in tools to assist in training and inference, integrated with our cluster. You don't need special knowledge already when applying - general knowledge of machine learning practices is enough, and you'll learn more later.

Important skills: *

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Desire to mentor and work with other researchers with understanding and compassion. *

Ability to tackle any problem with a researcher's mindset and a developer's passion for technology. *

Good communication and organizational skills, independent working style as well as flexibility in changing situations. *

Experience or knowledge of the principles of open source software, open science, and software development tools such as version control. *

Please see [[url=https://scicomp.aalto.fi/rse/become-a-rse/](https://scicomp.aalto.fi/rse/become-a-rse/)]<https://scicomp.aalto.fi/rse/become-a-rse/> for more information on what kind of skills we value - or more precisely what you are likely to learn. *

Good skills and experience in written, spoken, and collaborative work in English.

What we offer: *

A career path optimized for transition to industry. *

You will be affiliated with the dynamic Aalto Scientific Computing team, where you will learn from some of the best research IT specialists in Finland. *

Co-working within top-quality research groups, getting experience in a wide variety of fields and developing an extensive network of scientific contacts. This includes contacts to the Aalto startup scene and community. *

A way to be close to the research process while focusing on interesting computational problems and not the publication process. *

Mentorship to improve your software, data, and computing skills - you are expected to engage in plenty of professional development. *

Open Source is our expectation. All (or most) of your code may be open source and may be added to your public CV, depending on the needs of researchers. *

Fixed-term contract until 29.2.2028. *

All other standard benefits of Aalto as an employer: pleasant campus, occupational healthcare, a sustainable workplace, support and coaching, and robust opportunities for professional development.

[[url=https://www.aalto.fi/en/careers-at-aalto/working-at-aalto](https://www.aalto.fi/en/careers-at-aalto/working-at-aalto)]Read more.

Salary will be according to the Aalto University pay scales for postdoctoral researchers. The primary workplace is Otaniemi, Espoo (Helsinki region), Finland.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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