

GÁBOR FARKAS

PERSONAL INFORMATION

Born in Hungary, 4 June 1991

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WORK EXPERIENCE

Sole proprietorship *Aug 2018–Present* Sole proprietor, FARKAS GÁBOR, E.V.
Started a sole proprietorship to allow myself working on interesting projects outside of the University, and to get more connections. My main focus is on IT counseling, although I can also be contracted for programming– and system administration tasks, web development projects, and for teaching informatics.

UP *Sept 2017–Present* Lecturer, UNIVERSITY OF PÉCS
Currently working at University of Pécs's Institute of Geography as a Lecturer. My main responsibilities are teaching, operating the two computer labs of the institute, and researching.

Packt *2015–2017* Freelance author, PACKT PUBLISHING LTD.
Wrote two books about two different branches of geoinformatics for Packt Publishing in the past two years. The first one (Mastering OpenLayers 3) is a technical guide about creating interactive web maps and Web GIS applications using the OpenLayers library. The second one (Practical GIS) guides the reader into the world of FOSS GIS showing how to use QGIS, GRASS (through QGIS), PostGIS, GeoServer, and Leaflet for analyzing data effectively and publishing the results on the Web through practical examples.

Pécsi Geodézia *Jun 2014–Aug 2014* Summer Intern, PÉCSI GEODÉZIA KFT.
Helped the geodesic survey of a new sewer system in Simontornya by making geodesic measurements with a Leica GPS and creating some parts of its detailed layout drawing with ITR (a Hungarian CAD software).

EDUCATION

PhD *2015–2018* University of Pécs, Hungary
Doctoral School of Earth Sciences · *Physical geography specialization*
Research topic: *Creating the basis of a universal Web GIS* ·
Advisor: Dr. Titusz BUGYA
In my PhD studies I researched current Web technologies capable of creating a universal Web GIS. I studied, ranked these libraries, and implemented missing features into them, if it was necessary. At the end of the research, a solid basis was created, from which anyone can build their own Web GIS with adequate technical skills.

Master of Science *2013–2015* University of Pécs, Hungary
Institute of Geography · *Geoinformatics specialization*
Thesis: *Comparison of Web Mapping Libraries for Building WebGIS Clients* ·
Advisor: Dr. Titusz BUGYA
During my Masters I introduced myself to a new branch of geoinformatics: Web GIS. This led me to my thesis comparing different client side web mapping libraries and ranking them along their GIS capabilities. As the thesis

was written in English, and is freely available, it is currently my publication with the most reads.

2010–2013

University of Pécs, Hungary

Bachelor of Science

Institute of Geography · *Geoinformatics specialization*

Thesis: *Katasztrófaturizmus [Disaster tourism]* · Advisor: Dr. János CSAPÓ

During this degree, I focused on mapping the different possibilities and subfields in the domain of Geography.

COMPUTER SKILLS

Basic

IDRISI, SAGA GIS, Microsoft Office, C, L^AT_EX, R, Visual Basic

Intermediate

ArcGIS, GIMP, Inkscape, LibreOffice, Microsoft Windows, PHP, Python

Advanced

GeoServer, GRASS, MapServer, OpenLayers, PostGIS, QGIS, Linux, Bash, CSS, HTML, JavaScript

OTHER INFORMATION

Publications

[ORCID](#)

Awards

2017 · Tálerum talent prize of Doctoral School of Earth Sciences, University of Pécs

2013 · Az év turisztikai témájú szakdolgozata pályázat [Tourism thesis of the year] Bachelor category 3rd place

Communication Skills

2018 · Presentation at GISTAM 2018, Madeira, Portugal · Presentation at the 9th Hungarian GIS Conference and Exhibition, Debrecen, Hungary

2017 · Hungarian lecture: Network devices in GIS · English lecture: Digital mapping · Presentation at the local OSGeo Chapter, Budapest, Hungary

2016 · English lecture: Digital cartography · Presentation and poster at the local OSGeo Chapter, Budapest, Hungary · Presentation at the 7th Hungarian GIS Conference and Exhibition, Debrecen, Hungary

2015 · Hungarian lecture: Geoinformatics lab · Presentation, poster, and workshop at the local OSGeo Chapter, Budapest, Hungary

Languages

HUNGARIAN · Mother tongue

ENGLISH · Fluent

ITALIAN · Basic

August 31, 2018