

# GÁBOR FARKAS

## PERSONAL INFORMATION

*Born in Hungary, 4 June 1991*

*email* [randal73@gamma.ttk.pte.hu](mailto:randal73@gamma.ttk.pte.hu)

*website* <https://gaborfarkas.github.io>

*phone* (M) +36 (20) 251 6389

## WORK EXPERIENCE

*2015–2017* **Freelance author, PACKT PUBLISHING LTD.**

*Packt* 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.

*Jun 2014–Aug 2014* **Summer Intern, PÉCSI GEODÉZIA KFT.**

*Pécsi Geodézia* 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).

*Sept 2017–Present* **Lecturer, UNIVERSITY OF PÉCS**

*UP* 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.

## EDUCATION

*2015–* **University of Pécs, Hungary**

*PhD* Doctoral School of Earth Sciences · *Physical geography specialization*  
Research topic: *Creating the basis of a universal Web GIS* · Advisor: Dr. Titusz BUGYA  
In my current PhD studies I'm researching the current Web technologies capable of creating a universal Web GIS. I'm studying, ranking these libraries, and implementing missing features into them, if necessary. At the end of the research, there will be at least one stack of software, from which anyone can build their own Web GIS with adequate technical skills.

*2013–2015* **University of Pécs, Hungary**

*Master of Science* 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

<i>Basic</i>	IDRISI, SAGA GIS, Microsoft Office, C, L <sup>A</sup> T <sub>E</sub> X, R, Visual Basic
<i>Intermediate</i>	ArcGIS, GIMP, Inkscape, LibreOffice, Microsoft Windows, PHP, Python
<i>Advanced</i>	GeoServer, GRASS, MapServer, OpenLayers, PostGIS, QGIS, Linux, Bash, CSS, HTML, JavaScript

#### OTHER INFORMATION

<i>Publications</i>	<a href="#">ORCID</a>
<i>Awards</i>	<p>2017 · Tálerum talent prize of Doctoral School of Earth Sciences, University of Pécs</p> <p>2013 · Az év turisztikai témájú szakdolgozata pályázat [Tourism thesis of the year] Bachelor category 3rd place</p>
<i>Communication Skills</i>	<p>2017 · Hungarian lecture: Network devices in GIS · English lecture: Digital mapping</p> <p>2016 · English lecture: Digital cartography · Oral presentation and poster at the local OSGeo Chapter, Budapest, Hungary · Oral presentation at the 7th Hungarian GIS Conference and Exhibition, Debrecen, Hungary</p> <p>2015 · Hungarian lecture: Geoinformatics lab · Oral presentation, poster, and workshop at the local OSGeo Chapter, Budapest, Hungary</p>
<i>Languages</i>	<p>HUNGARIAN · Mother tongue</p> <p>ENGLISH · Fluent</p> <p>ITALIAN · Basic (simple words and phrases only)</p>

September 22, 2017