



DANIEL UNGUREANU

G I S - P Y T H O N - M . S C .

EXPERIENCE

RNP ROMSILVA – ADMINISTRAȚIA
PARCULUI NATURAL BUCEGI R.A.

IT SPECIALIST

- POSTGIS database maintenance, set up digital infrastructure for wireless field data transmission from the field, using QFIELD – cloud – QGIS, with advanced forms, developed a new website in django / python / javascript / html with a payment system, graphics for online advertising, local network maintenance.

UNGUREANU WEBTECH SRL

SOFTWARE DEV & ADMINISTRATOR

- Developing online apps for clients using Python/Django, JavaScript, jQuery, Bootstrap, HTML, CSS, AWS, Docker, Asyncio, Linux

OBICEIURI SANATOASE SRL

BUSINESS ASOCIATE

- An artisan bakery i co-founded and managed the online presence.

FUNDATIA CONSERVATION CARPATHIA

PROJECT ASISSTANT MANAGER

- Coordinated field activities, forest inventories, did periodical reports, used QGIS and ARCGIS 10.2 extensively for mapping, field word supervision and for planning management activities, used various handheld GPS devices

FBR FOREST OPS S.A

TECHNICAL DIRECTOR

- Initially started as deputy forest engineer on forest survey using QGIS and handheld NAUTIZ devices, then been promoted to technical director, responsible for planning operations using QGIS, coordinating team, etc.

PROFILE

With a foundation in Natural Sciences complemented by a passion for computer science and statistics, I bring over 8 years of hands-on experience in GIS (70% QGIS, 30% ARCGIS) software application within nature-related projects. Transitioning into software development in 2018, I embarked on a dynamic journey, mastering Python and delving into web development with Django. Along the way, I've cultivated a versatile skill set encompassing database management (MySQL, PostgreSQL), front-end technologies, version control, datascience and a little bit of cloud services. My career goal is to contribute to nature related projects, at the intersection of technology and ecology.

EDUCATION

INITIATION INTO PROGRAMMING

SCRIU COD

www.scriucod.eu

- A 6 months python programming course, where we would learn from actually working on small personal projects, that each of us was free to choose.

MASTER IN SCIENCE

UNIVERSITATEA TRANSILVANIA

www.unitbv.ro

- Built or Improved skills on forest ecology, surveys, habitats classification, forest site conditions, GIS software, relational databases, research, statistical analysis with R & Statistica

BACHELOR DIPLOMA – FOREST ENGINEER

UNIVERSITATEA TRANSILVANIA

www.unitbv.ro

- Built skills on forest management, ecology, wildlife, site index, statistical analysis, ArcGIS & QGIS, R, monitoring, research

SKILLS

M. Office	<div><div></div></div>
ArcGIS	<div><div></div></div>
QGIS	<div><div></div></div>
QFIELD	<div><div></div></div>
Web development	<div><div></div></div>
SQL databases	<div><div></div></div>
Python	<div><div></div></div>
JavaScript	<div><div></div></div>
Networks	<div><div></div></div>
Data Science	<div><div></div></div>
Ecology	<div><div></div></div>
Project Management	<div><div></div></div>
Digital graphics	<div><div></div></div>

LANGUAGES

English	<div><div></div></div>
German	<div><div></div></div>

EXCHANGE PROGRAMS

Apr. 2015

PART OF A LIFE+ PROJECT

ARGENTINA & CHILE

- A 3 weeks visit in National Parks and protected areas created by Tompkins Conservation in Argentina and Chile.

Aug. 2011

OCEAN PROGRAM BETWEEN E.U. SI CANADA

ALBERTA & BRITISH COLUMBIA

- A 3 weeks excursion in western Canada, visiting field work sites in forestry and protected areas.

Apr. 2011 – Jun. 2011

ERASMUS MUNDUS SCHOLARSHIP

GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN

- A 3 months exchange program at Georg - August Universität Göttingen, doing research work in an entomology lab and practicing statistics in R.

Sept. 2009 – Mar. 2010

ERASMUS MUNDUS SCHOLARSHIP

GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN

- An exchange program lasting 6 months at Georg - August Universität Göttingen. It consisted of courses on international forest practices, plus German language courses.

Apr. 2015

SUMMER SCHOOL

GREECE

- A 3 weeks visit at Aristotle University in Thessaloniki for practicing data cluster analysis on plant species and site conditions.

CERTIFICATES

Aprilie 2022

Top 25% Python Certificate

TESTDOME

[link](#)

- Popular test for Python skills

Ianuarie 2021

Data Analysis with Python

FREECODECAMP

[link](#)

- Data Analysis test using Python programming language, along with some of its statistics modules: Pandas, Matplotlib, Numpy. The test certifies solving difficult problems and a total of 300 hours of applied work.

Ianuarie 2021

Scientific Computing with Python

FREECODECAMP

[link](#)

- Scientific Data Analysis test using Python programming language, along with its statistics and data science modules: Pandas, Matplotlib, Numpy. The test certifies solving difficult problems and a total of 300 hours of applied work.

Oct 2021

International English Language Testing System

BRITISH COUNCIL BUCUREȘTI

- The result was Band 8, meaning a C1 level - Fluent speaker, by EU standards.