



# DANIEL UNGUOREANU

GIS - PYTHON - FOREST SCIENCES

## EXPERIENCE

RNP ROMSILVA - ADMINISTRAȚIA  
PARCULUI NATURAL BUCEGI R.A.

### IT SPECIALIST

- Postgresql & MySQL databases, established digital infrastructure for field surveys using QFIELD, cloud integration, and QGIS with advanced forms. Developed a new website using Django, Python, JavaScript and HTML, webhooks for payment systems, maintaining the local network. Working on a timesheet app.

UNGUOREANU WEBTECH SRL

### SOFTWARE DEV & ADMINISTRATOR

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

OBICEIURI SANATOASE SRL

### BUSINESS ASOCIATE

- An artisan bakery I co-founded. Built it's website, a voucher management app 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, including Terrasync software.

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 Forest Sciences complemented by a passion for computer science and statistics, I bring over 9 years of hands-on experience in GIS (70% QGIS, 30% ARCGIS) applied mostly on nature conservation 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 (jquery, HTML, CSS), containerization (Docker), asynchronous programming (asyncio), version control (git), datascience (pandas, matplotlib) and a little bit of cloud services. My career goal is to contribute to awesome nature conservation projects, at the intersection of GIS and programming.

## EDUCATION

INITIATION INTO PROGRAMMING

### SCRIU COD

[www.scriucod.eu](http://www.scriucod.eu)

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

MASTER IN SCIENCE

### UNIVERSITATEA TRANSILVANIA

[www.unitbv.ro](http://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](http://www.unitbv.ro)

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

Sept. 2022 - now

Dec. 2021 - now

2017 - 2022

Mar. 2014 - Sept. 2018

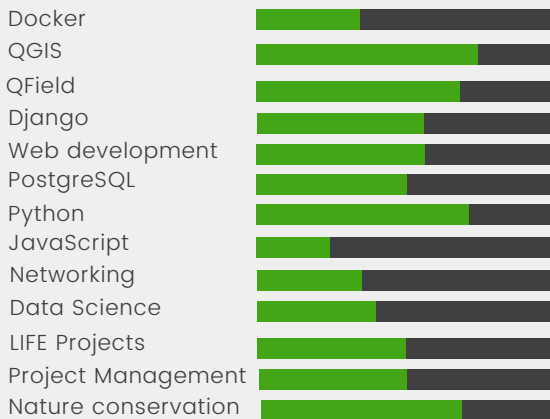
MaY 2012 - Jan. 2014

2017 - 2018

2010 - 2012

2006 - 2010

## SKILLS



## LANGUAGES



## 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 BUCHAREST

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