ungureanu.daniel86@gmail.com | danielungureanuresume.online | Brașov, ROMÂNIA

DANIEL
UNGUREANU

GIS - PYTHON - M.SC. FOREST ECOLOGY

EXPERIENCE

RNP ROMSILVA - ADMINISTRAȚIA PARCULUI NATURAL BUCEGI R.A.

IT SPECIALIST
Sept 2022 – now

- SQL databases (POSTGIS) management, 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, Ubuntu servers. Working on a timesheets app with API capabilities.

UNGUREANU WEBTECH SRL

SOFTWARE DEV & ADMINISTRATOR
Dec 2021 – now

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

OBICEIURI SANATOASE SRL

BUSINESS ASOCIATE
2017 – 2022

- 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
Mar 2014 – Sept 2018

- Coordinated field activities, forest inventories, did periodical reports, used QGIS and ARCGIS 10.2 extensively for mapping, field data collection and for planning management activities, used various handheld GPS devices, including Terrasync software.

FOREST & BIOMASS ROMANIA S.A

FOREST ENG. & TECHNICAL DIRECTOR
May 2012 – Jan 2014

- Initialy 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, 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 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
2017 – 2018

- 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
2010 – 2012

- 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
2006 – 2010

- Built skills on forest management, ecology, wildlife, site index, statistical analysis, ArcGIS & QGIS, R, monitoring, research. Been a volunteer for a local FSC certification association in Brașov, Romania during University. Participated in two student scientific research projects (Entomology and Silviculture).

SKILLS

- QGIS
- ARCGIS
- QField
- Django
- Web development
- SQL
- Python
- JavaScript
- Networking
- Data Science
- Docker
- Forestry
- Project Management

LANGUAGES

- English
- German
- Spanish

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 – Iun 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

Apr 2022

Top 25% Python Certificate
TESTDOME
link

- Popular test for Python skills

Jan 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.

Jan 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.