**Harel Dan**

Age: 33

Married + 2

Tel: +972­38­532­1111 harel.dunn@gmail.com

**Education:**

Hebrew University in Jerusalem, 2013.

B.A., *Summa Cum Laude,* Geography and Archaeology, with expanded studies in Geoinformatics.

**Courses and Qualifications: Languages:**

ArcGIS, QGIS, ENVI, AutoCAD, Overpass-Turbo Hebrew: native, English: full professional proficiency.

Google Earth Engine, Sentinel Hub. Python, JavaScript, PL/pgSQL

**Lectures and Presentations:**

2019 - Mapping southern Israel's fires with open source tools, Israel Cartographic Society.

2018 - QGIS: Free open source desktop GIS; Four years on, Israel Cartographic Society.

 Monitoring biodiversity in arid regions with drones, Annual Israel Nature & Parks Authority Conference.

2016 ­ Open source tools in HaMaarag, Inter­ministerial Cmte. for GIS, Technology and Standards team, Survey of Israel.

2014 ­ QGIS workshop for professionals, sponsored by the Hebrew University GIS Center.

­ QGIS: Free open source desktop GIS, “GIS Day 2014”.

**Current Position (2013 ­ ):**

GIS coordinator at HaMaarag ­ Israel’s National Ecosystems Assessment Program.

● Advanced spatial analysis (geoprocessing) including scripts and models in QGIS and Arc environments.

● Remote sensing of environment, spectral indices of vegetation and other landcover classes, object extraction and image classification

● Creation, import, conversion and exporting of spatial data in varied formats using desktop and online GIS for organizational needs.

● Managing national-scale observations database of the Terrestrial Biodiversity Monitoring Program.

● Build and deploy monitoring apps for monitoring programs with Fulcrum, along with its Python, JS and Postgre tools and API.

● Production of Print and Online Maps for Reports, Research Papers, Work Projects and Field Surveys.

● Work with Other GIS Units in Governmental Ministries and Agencies.

**Previous Experience and Projects:**

2018 - External lecturer, Master's program in urban design, Bezalel Academy of Arts, Jerusalem.

 Intro to GIS and data visualization.

2017 – Crop Classification tool subcontract for Asian country.

 Develop, test and write report

2016 ­ RAOP­MED project GIS tools.

Development of QGIS geoprocessing algorithms for relevant project work packages.

2015 ­ QGIS Workshop for Israel's National Insurance Institute R&D Team.

Lectures and Workshops on GIS Data Management and Spatial Analysis in a QGIS Environment.

2013 ­ Israel Digital Atlas, Geography Dept. Hebrew University.

Collation, Validation, Editing and Preparation of Geospatial Data.

­ Research Assistant, Advanced Tracking Technologies Lab, Geography Dept. Hebrew University. Validation and Analysis of GPS Tracks Using SQL and Python Tools.

**Honors:**

2014 ­ Dean's List for Excellence, Faculty of Social Sciences.

2013 ­ Rector's Prize for Excellence.

Geoinformatics Excellence Scholarship.

2012 ­ Dean's Prize for Excellence, Faculty of Social Sciences.

Geoinformatics Excellence Scholarship.

2011 ­ Dean's List for Excellence, Faculty of Humanities.

**Miscellaneous:**

● Driver’s License Type: B.

**●** VAT Exempt Dealer.