Denis Burilkov

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- Personal Portfolio: https://www.gnvcompitservices.com/   A longer resume may be proved at request of recruiter.

Hello, I am Denis Burilkov a US CITIZEN with an analytical/creative mind and a willingness to learn new skills. A problem solver who thinks creatively and has strong attention to detail with an understanding of data science. Certifications from NVIDIA and ESRI. I am a successful small business owner [since 2020] and eBay merchant [2012]. Knowledge of HEP. I have a minimum of 8 years experience with everything below:

Skills – _____

- Computer Aided Design – [CAD] (Desktop, Web, Viewer) 2D/3D design tool: [expert].
  - AUTODESK [AUTOCAD, Revit, CIVIL 3D, ShipConstructor].
  - Blender, Google/Trimble Sketchup, Microstation, FREECAD, CET. Smartdraw, LT Cont Drafting, Solidworks, COMSOL, onshape.
- Geographic Information Systems - [GIS] (Desktop and Online): [expert]:
  - ESRI ArcGIS – [10.3.x, GISpro, MAP, Catalog, Model Builder, SQLforArcGISPRO].
  - QGIS, BatchGeo, Carto, Grass GIS, GeoDa, Whitebox Geospatial Inc, HEC-HMS 4.11, MSAG.
  - ORA, NetMapper, CASOS tool suite, Google Earth, USGS/EROS, QT Modeler, LP360, Databases.
- Computer [intermediate-expert]:
  - Python2/3, SQL, R, C, JSON, jbeam, Xarray, Kmean, DBscan, Jira, Scikit-Learn, Onmiverse, TensorFlow, PyTorch, Big Data,
  - Keras, High-Performance Computing Modernization Program (HPC),
  - PowerShell, Shell, EMACS, GitBash, DevOps, Apps, CI/CD principles, API, OpenAI, Linux, KNOPPIX, Ubuntu.
  - UI/UX, Git, Bash, Docker, JupyterLab Notebook, Pandas, Spyder, FME, Power-BI. Adobe Creative Suite - Photoshop, Illustrator, InDesign.

Experience – _____

- ➤ **GNV GIS CAD AI IT Services | Business Owner**   **2020-Present**
- o **Artificial Intelligence / Machine learning [AI/ML] Solutions Analyst -**
  - *ASPRS Process Automation.*
    - Use AI optimized Macros to check how much could actually be automated. Used Agile methods to show progress of project, QA/QC. I showed them a sample pipeline on how to proceed with the Process Automation.
- o **Design 2D CAD - Consultant/Drafting Projects -**
  - *Landis Construction Inc.*
    - Expansion of porch in AUTOCAD. Plan, section cut and elevation. Revisions: labels, plan fit better when printed out.
  - *Residential Design & Drafting Services.*
    - Electrical modeling in AUTOCAD. Location of wires, light switches, and types, labels, line color. Indoor and outdoor.
  - *The Atrium*.
    - 2.5D Sketch of the outside of the building.
  - *North Florida Baby Nurse LLC.*
    - Redesigned the Flow sheets for single baby and twin babies; was asked for tweaks to them, delivered on a tight deadline.
- o **Design 3D CAD – Consultant/Design-**
  - All projects below were made with my time saving 3D modeling method.
  - *Florida Leisure Pool & Spa.* Screen enclosure.
    - The client wanted a partially see-through model, in black.
  - *JTCTerminal Trains.*
    - ABB 7500 XFMR Large transformer. I was given pictures and dimensions. Steel plates. I was given pictures only.
  - *Northwoods Models.*
    - SOO wood boxcar 40' FT. Gave incomplete dimensions and somewhat blurry pictures. Not happy with my model, however appreciated the work.
- o **3D Physics Structural Simulation with .jbeam -**
  - *B.*
    - 1960s US Pickup truck, All Wheel Drive for drifting. The client was taught how to work with the program, was pleased.
  - *Other.*
    - 1960s UK hatchback, 2010s Japanese coupe/sedan, 1990s station wagon EU, pontoon boat, Romanian sedan, micro car.
- o **GIS - Consultant/Analyst/Specialist -**
  - *Alpha Recon.* Intelligence Analyst, security of building, threats, GIS map.
  - *Other.* Measuring the volume of two aquifers using ARCGIS. Consulting on GIS issues for various clients.
  - For example: How to put a CAD plan on to a GIS map. The issue in GIS was non conforming data in the Z-axis with the CAD plans.

Languages – _____

- Bulgarian, French, English. Advanced for all languages.

Education – _____

- **University of Florida**   **2014-2020**
  - Graduated in 2020 with a Bachelor of Arts in Geography.
  - Certificate in Geospatial Information Analysis [GIS] in 2019.
  - Also extensive course work in Meteorology and Climatology.
  - GPA 3.67.