Jacob Perryman

(814)-360-7215 jmperry143@gmail.com
Portfolio: https://github.com/JakeP2015/Perryman_Portfolio

EDUCATION

PENN STATE UNIVERSITY   **World Campus**
Masters in Geographic Information Systems   *August 2024*

LOCK HAVEN UNIVERSITY   **Lock Haven, PA**
B.S. in Biology: Concentration in Ecology and Environmental Science   *May 2015*

CERTIFICATIONS

FAA Part 107 Remote Pilot Certificate with sUAS Rating   *July 2024*

SKILLS

GIS and Photogrammetry Software: ArcGIS Pro, ArcGIS Enterprise, QGIS, Pix4D Mapper, WebODM, QGIS
Programming Languages: Python (arcpy, pandas, numpy, scikit learn, seaborn)
Soft Skills: Communication, Critical Thinking, Problem-Solving, Teamwork

PROFESSIONAL EXPERIENCE

Penn State University, Sawers Lab   **State College, PA**
Research Assistant   *June 2024 - Present*
UAS mission planning, perform duties related to remote pilot in command, operation of DJI Inspire 2 outfitted with Micasense multispectral camera, risk assessment and mitigation, data collection, generate multispectral orthomosaics with Pix4D, imagery analysis and interpretation, implement and maintain geodatabase, preparation of thematic maps, use python for geospatial analysis automation, collaboration with Penn State Office for Research Protections, train staff on geospatial software.

Penn State University, Animal Resource Program   **State College, PA**
ABSL3 and Gnotobiotic Lab Animal Technologist   *November 2020-Present*
Manage ABSL3 and gnotobiotic animal research, maintain program database, develop SOP's in collaboration with principal investigators and program staff, maintain equipment, provide animal treatment as necessary.

Penn State University, Hudson Lab   **State College, PA**
Research Technologist   *May 2018 - November 2020*
Maintain lab database, train researchers, trapping of small mammals, use of GPS equipment for data acquisition, data entry and analysis.

Penn State University, Cameron Lab   **State College, PA**
Research Technologist   *April 2016 - April 2018*
Maintain lab database and chemical inventory, recombinant protein purification, technical writing

LignoLink, Inc.   **State College, PA**
Lab and Field/Greenhouse Assistant   *May 2015 - March 2016*
Performed various lab experiments, data analysis, maintained greenhouse, field mapping, perform corn field trials for biofuel research

Sanders Environmental   **Mingoville, PA**
Netting Technician   *May 2012 – August 2014*
Identification of northeastern cave and tree dwelling bats, communication with clients, perform health assessment of captured bats caught by mist nets, banding of endangered bat species, GPS data collection, perform telemetry on endangered bats to monitor foraging habits.

Lock Haven University   **Lock Haven, PA**
Research Supervisor   *August 2013 - May 2015*

Supervised undergraduate researchers in sterile technique, subculturing, and maintained GIS for cave ecosystems throughout Pennsylvania.