



JAMES BURTON

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SUMMARY

Advanced Geospatial Information Systems practitioner with an emphasis on environmental mapping and monitoring techniques. Combining both a passion and interest in preserving our natural resources, it is my ambition to continue building upon previously acquired foundations and pursue a career in facilitating better decisions made through the interpretation of spatial information.



EDUCATION

Geographic Information Systems Cartographic Specialist

Ontario College Post-Graduate Certificate | Fleming College, Lindsay

SEPTEMBER 2018 – ANTICIPATED GRADUATION JUNE 2019

Advanced post graduate diploma in GIS technologies with an emphasis on cartographic outputs. Diverse skill set expanded in such topics as spatial analysis, habitat suitability, forest management plans, asset management, LiDAR generated imaged analysis, Smart Growth and much more. These skills, when paired with a cartographic specialty, enhance user's experience understanding and conceptualizing geo-spatial topics relevant to management, planning, and more.

Fish and Wildlife Technician

Ontario College Diploma | Fleming College, Lindsay

SEPTEMBER 2016 – APRIL 2018

Extensive skill set in evaluating, monitoring, and analyzing indigenous and invasive flora and fauna. From visually identifying over 160 important tree species used as key identifiers to an expansive knowledge on fish, wildlife and bird habitat, I am able to conduct field surveys in a professional and efficient manner. Skills obtained through the course also enable me to conduct Ontario Wetland Evaluation Surveys (OWES) and Ecological Land Classification (ELC) assessments. Paired with extensive environmental GIS capabilities, site suitability analysis and supplementary mapping for field work provide me with the necessary skills to accurately and efficiently bridge the gap between field and office work. Extensive lab skills were also developed, with such skills as vertebrate pathology, environmental contaminant testing and more demonstrated in real world situations.



SELECTED EXPERIENCE

ArcDesktop Tutor | Fleming College Tutoring & Academic Skills Center

JANUARY 2017 – PRESENT

Demonstrating an advanced understanding of all Esri software enabled me to ascertain a long standing position as a GIS peer tutor. Generally consisting of ArcMap 10.4, 10.5 and 10.6, software AutoCAD, QGIS 3.0.3, ArcScene 10.6, ArcPro 2.1 & 2.2, alternative platforms such as PCI Geomatica 2017 and more were incorporated into the role.

Fish & Wildlife Peer Tutor | Fleming College Tutoring & Academic Skills Center

JANUARY 2017 – PRESENT

After achieving strong recommendations from program faculty, it was tasked upon me to assist peers in achieving success in all related skills needed to be a competent wildlife technician. Role included long hours and an abundance of lab time in which cleanliness and attention to details were critical to the safety of myself and my peers.

Field Data Collection | Fleming College, Frost Campus

SEPTEMBER 2017 – OCTOBER 2017

Supervised and facilitated field data collection pertaining to mapping and assessing ecological transformations of campus property. Recent additions to campus property included a manufactured wetland. As the landscape adjusts to this addition, it had been determined that extensive monitoring was required. Daily activities ranged from organizing team members and assigning areas to interpreting results and displaying/ exhibiting them as necessary.

Owner | Burton's Antique Media Management, Toronto

JULY 2008 – SEPTEMBER 2016

Owned and operated small-scale consulting business. Projects ranged from providing consolatory advice on private collections and estate management, library management, minor antique media restoration, collection conservation, representation of clients/collections at prestigious global trade shows, catalog creation/publication and distribution and more. Work was conducted with the utmost privacy and confidentiality.



TECHNOLOGICAL SKILLS

- ESRI ArcPro, ArcMap, ArcCatalog, ArcOnline, ArcEnterprise, DashBoard, Survey123, ArcServer
- QuantumGIS (QGIS)
- Adobe Illustrator, InDesign, Photoshop
- Microsoft Word, Excel, Visual Studio Code, Teams, Online Studio, OneDrive, Skype, PowerPoint
- AutoCAD
- FME Desktop Workbench, Data Inspector
- PCI Geomatics Geomatica, Focus, Modeller, Ortho Engine, Mosiac
- Phantom 4 DJI Drone Training
- Garmin GPS Receiver
- Bioacoustics Echo Meter, Song Meter
- External Hard Drive Management
- Practical web map solution experience like Leaflet, MapBox
- Developer Skills such as HTML, CSS, Javascript, GeoJSON, JSON, REST API, Python
- Data Management SQL
- GeoCortex



TRANSFERABLE SKILLS

- Organized
- Punctual
- Professional
- Detail orientated
- Extremely reliable
- Self-starter