



# KARLA MACPHERSON

## GIS CONSULTANT

### Profile

I am a qualified GIS professional with over ten years experience. Strong attention to detail, driven, and passionate about my job. GIS involves working with the wonderful world that surrounds us. Once we open our eyes to it there is no going back!

### EXPERIENCE

#### GIS CONSULTANT / BUSINESS OWNER

KarMa GIS Consulting Services

##### 2022 - Present

- Map production.
- Data creation, collection, conversion, analysis, and cleanup.
- Asset management, civic addressing.
- Documentation, metadata.
- Database design and creation.

#### GIS ANALYST

Eagle Engineering and Consulting

##### 2021 - 2022

- GIS lead for Rogers NB and NL fiber to the home projects.
- Ensure accurate survey plans are generated in GIS from information collected in the field.
- GIS database design, data creation, editing and conversion.
- Facilitate training and create documentation for new GIS employees.
- Publish maps and create applications for field staff using ArcGIS Online.

### Contact

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### EDUCATION

#### BACHELOR OF APPLIED TECHNOLOGY GEOGRAPHIC INFORMATION SYSTEMS

SAIT Polytechnic

##### 2012 - 2013

#### INFORMATION SYSTEMS SPECIALIST

CompuCollege School of Business

##### 1999 - 2001

#### BACHELOR OF ARTS

Saint Thomas University

##### 1994 - 1998

### LANGUAGES

- English
- French



## GIS ANALYST

City of Airdrie

**2018 - 2021**

- Geospatial data collection, processing, and analysis.
- Provide technical support and expertise to internal staff on matters related to GIS applications and products.
- Design, develop and maintain map services and applications within ArcGIS Online and Portal.
- Produce and update city maps (digital and hard copy) according to customer's needs.
- Provide back-up support to the Addressing Technician.

## ASSET MANAGEMENT SPECIALIST

(Term position with water services to help implement Cityworks)

City of Airdrie

**2015 - 2018**

- Work with the Engineering Department to maintain AutoCAD drawings.
- Convert AutoCAD drawings (water, sanitary and storm systems) into GIS data.
- Develop and execute asset collection and maintenance programs.
- Implement and support the Computer Maintenance Management System (Cityworks).
- Train water services employees in the use of Cityworks and its mobile application.

## GIS/ADDRESSING TECHNICIAN

City of Airdrie

**2013 - 2015**

- Assign and maintain new addresses in accordance with the addressing bylaw.
- Convert AutoCAD drawings from the planning department into GIS format for addressing purposes.
- Update and maintain cadastral and land use data monthly.
- Respond to and resolve customer inquiries and concerns regarding addressing.
- Conduct GIS system training and provide training materials to city staff.

## TRAINING

- AutoCAD Certificate of Completion from SAIT Polytechnic
- Infrastructure Asset Management Training Course through CH2M
- Certificate in Asset Management from The Institute of Asset Management
- Level 1 Water and Wastewater Operator Certification (AWWOA)
- Mental Health First Aid
- Various soft skills courses

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## SKILLS

- ArcGIS Pro and Desktop
- ArcGIS Online and Portal
- AutoCAD
- Survey 123
- Field Maps, Collector
- Cityworks
- VertiGIS
- Sharepoint
- Microsoft Office
- Google Earth
- Creative problem solver
- Effective communicator
- Group training facilitation
- Fast learner and dedicated
- Multi-tasking
- Customer service
- Extremely organized
- Self starter
- Time management