

KEVIN HORROCKS

WORK EXPERIENCE

- 2014 – 2016
Waterloo, ON
Client: Rogers Communications Inc.
Project Development Consultant
Developed a .NET C# based web portal for region-separated event management, activity tracking, social hub, and automated reporting for over 3000 Rogers TV staff and volunteers across Canada. Deep understanding of Rogers regional business operations and organization were required to create this customized solution.
- 2011 – 2015
Brantford, ON
Norfolk, ON
Cangreen Solutions
Owner / Operator
Ran a West Nile Virus surveillance and control business serving two major Ontario regions. Utilizing real-time mapping and cloud based GIS techniques, I ensured water treatment application to 14,000 individual sites within one week. Hired, trained, and managed a team of ten technicians. This venture allowed me to fuse my science and GIS backgrounds into a trusted business that protected communities from the threat of West Nile Virus.
- 2012 – 2014
Waterloo, ON
Richmond, BC
MDA Systems Ltd / Wilfrid Laurier University Engagement
Geospatial Intelligence Designer
Developed a Python based autonomous geographic data gathering system to identify and predict anomalous events in the maritime domain (eg. vessel piracy). Harvested and analysed data was presented in a live and interactive web-based map interface.
- 2012 – 2014
Waterloo, ON
RinkWatch.org
RinkWatch is a Python powered web-based citizen science application designed to gather location specific data and track climate change across Canada. The project was featured in National Geographic, CBC's The National, and in various major Canadian newspapers and radio media. I was responsible for database management, geo-web development, and user engagement.

EDUCATION

- 2012 -2016
Honours Geomatics + Biology
Wilfrid Laurier University Waterloo, ON
- 2008-2009
Pre-Health Sciences
Conestoga College Kitchener, ON

OTHER EXPERIENCE

- 2015
Toronto, ON
Invited Speaker
ESRI Canada User Conference 2015
- 2015
Waterloo, ON
Featured Speaker
Imagining Canada's Future in Ontario, Balsillie School of International Affairs
Discussion: national initiative to get all Canadians involved in collecting scientific information about nature, using their smartphones in our great outdoors.
- 2014
Tampa, FL
Research Presenter
Association of American Geographers (AAG) Annual Meeting

PROFILE

Name

Kevin Horrocks

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SKILLS

Development

- Python
- PHP
- .NET C#
- HTML5/CSS
- JavaScript
- R Statistical Computing

Databases

- Strong RDBMS management ability
- MS SQL Server
- PostgreSQL
- MySQL
- MS Access
- MongoDB (noSQL)

Software

- Adobe Creative Suite (Photoshop, Indesign, Illustrator)
- Various IDEs
- ArcGIS (ESRI)
- GRASS GIS / qGIS
- Microsoft Office

Other Applicable Skills

- Wireframing and UI design
- Project design mockups
- Strong analytical sense and problem solving
- Data capture and representation
- Decision and predictive analysis
- Big data analysis
- Data mining and automation
- Spatial data analysis, handling, and manipulation
- Code management and revision control (Github, Bitbucket, etc.)