

# ODUM IDIKA

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## ENVIRONMENTAL SCIENTIST

Exceptionally dedicated and determined environmental scientist highly trained in the installation, programming and maintenance of advanced electronic and data logging equipment. Over 6 years of rugged field experience in harsh weather conditions spanning approximately 100 degrees. In depth experience training new employees and students on field sampling techniques, database management, operation and maintenance of advanced hydrogeological data logging equipment and software.

- Available for relocation -

## PROFESSIONAL EXPERIENCE

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Department of Earth Sciences, University of Waterloo

November 2004 - September 2007

### **Hydrogeological Research Technician**

Responsible for installing, operating and maintaining hydrogeological equipment as part of a CFI Grant title "The Water Initiative, Integrated Groundwater and Surface Water Remediation and Management". Involved in monitoring agricultural impacts in farm fields located in Woodstock, ON. Extensive work in creating and maintaining large databases of environmental data.

#### Key Achievements:

- Installation, operation, maintenance and programming of \$150K worth of Campbell Scientific meteorological weather stations.
- Implemented measures and guidelines to significantly improve field data collection techniques and equipment maintenance.
- Trained 10 co-op students and numerous graduate students on proper field and laboratory techniques and equipment use.

Department of Biology, University of Waterloo

May 2002 - December 2003

### **Research Assistant**

Conducted field work involving collecting live benthic invertebrates from streambeds and sorting and identifying benthic invertebrates using taxonomy down to the species level. Focus of the work was on the Laurel Creek watershed and evaluating the changes in stream bed population dynamics.

#### Key Achievements:

- Proficiency at identifying Chironomidae larvae to species.

## EDUCATION

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M.Sc. Candidate, Biology Department  
**University of Waterloo**

Analysis of the natural ecological contributions of headwater drainage features within Southern Ontario and their resultant implications to downstream systems. These ecological contributions are largely being determined by an extensive investigation of benthic and terrestrial invertebrate community composition.

B.Sc. Honours Environmental Sciences/Ecology with Biology and Chemistry Minors  
**University of Waterloo**

## HYDROGEOLOGICAL DATA ACQUISITION SKILLS

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Excellent knowledge of many advanced electronic monitoring equipment including:

- Campbell Scientific CR10X/23X dataloggers
- Telemetry systems and modems
- Delta-T PR-2 moisture probes
- Thales-Navigation Mobile Mapper GPS units
- Meteorological station sensors
- QED bladder pump well sampling systems
- Solinst pressure transducers
- Onset HOBO dataloggers
- ESI moisture point TDR probes
- Decagon ECH<sub>2</sub>O moisture probes
- Neutron moisture probes
- Dallas semiconductor iButtons

## COMPUTER PROFICIENCY

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Founded and run a small web and graphic design company providing custom web solutions to small and medium sized businesses ([www.odumidika.com](http://www.odumidika.com)). Performed both front and back end development utilizing modern web technologies and standards-compliance. Computer skills include proficient abilities with the following software and technologies:

- Adobe Creative Suite 3
- Microsoft Office 2007
- Windows/Linux
- Webassist
- HTML/ XHTML and CSS
- PHP
- MySQL
- JavaScript and jQuery
- AutoCAD
- SPSS
- R Statistical Computing
- GIS ArcPad

## CERTIFICATIONS AND MEMBERSHIPS

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- Taxonomist – Other Arthropods, Genus Level, East, 2009 by the American Benthological Society
- Trained in the handling, transportation and operation of radioactive equipment and materials
- Current member of the North American Benthological Society