m hoel

Design and computer science teacher by day, Gamified LMS programmer and GIS / data geek by night
Nomad
mdjhoel@gmail.com

Experienced teacher, mentor and coach. Passionate about wrangling data and creating engaging visualizations as well as developing database driven software and other digital products.

Work Experience

Teacher and Senior House Advisor

Upper Canada College - Toronto, ON
September 2008 to Present

Teacher of geography, computer science and design as well as hockey, soccer and cross country running coach. Also, advised numerous clubs including the tech incubator club (Blue Ventures Zone). Served as Senior House Advisor (aka House Master) for Bremner's house, responsible for the development of 82 boys and 6 assistant house advisors. Was also a boarding assistant house advisor for 8 years in Wedd's house.

Teacher

Greenwood College School - Toronto, ON
September 2006 to September 2008

Teacher of geography, philosophy and media art as well as hockey coach and advisor.

Manager of Educational Services

Akanda Innovation - Toronto, ON
May 2004 to September 2006

Design and build e-learning materials. Evangelize software products live at conferences throughout North America and in webinars.

Online Curriculum Centre Faculty Member

International Baccalaureate Organization - Cardiff
September 2002 to September 2004

English language Geography faculty member for the Online Curriculum Centre. Duties included: building and facilitating an online community as well as creating and curating content for IB teachers across the globe. I was also asked to train new OCC faculty at IBO headquarters in Cardiff, UK.

Head of Geography

Upper Canada College - Toronto, ON
September 1999 to June 2003

Teacher and head of geography department at prestigious boys school. Helped introduce GIS, laptops and other technologies into the classroom. Coached varsity cricket, U16 hockey and was an advisor in Jackson's house.

Software Developer

Akanda Innovation - Toronto, ON

May 1997 to September 1999

Work with clients and the internal development team to develop GIS and Lotus Notes applications to solve business problems.

Product Specialist

ESRI - Redlands, CA

June 1993 to June 1996

Worked 3 years as an Arc/Info editing suite (ArcEdit) product specialist. The most popular GIS software in the world. Primary roles included: working closely with programmers to create the command line GIS interface, program editing user interface called ArcTools and writing technical documentation. Other duties included speaking at annual user conferences and working with QA and software release staff to ensure a quality product.

Education

PhD studies (did not complete) in Geomatics engineering

University of New Brunswick - Fredericton, NB

September 2003 to June 2004

Master's Degree in Environmental Studies

York University - Toronto, ON

September 1996 to May 1997

Post graduate certificate in Geographic Information Systems

College of Geographic Sciences - Lawrenceville, NS

September 1992 to May 1993

Bachelor's Degree in Urban Planning

University of Winnipeg - Winnipeg, MB

September 1988 to May 1991

Skills

- Public Speaking (10+ years)
- Geographic Information Systems (10+ years)
- Data Wrangling and Analysis (10+ years)
- Python (10+ years)
- Java (10+ years)
- Javascript (10+ years)
- Firebase (3 years)
- Angularjs (3 years)
- Teaching (10+ years)
- Coaching (10+ years)
- Project Management (10+ years)
- Curriculum development (10+ years)

- Agile (6 years)