

SIMRAT KARAMJEET

Full-Stack Developer in training

208-512 BOW VALLEY TRAIL | CANMORE, ALBERTA T3B6A1
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PROFESSIONAL PROFILE

Full-stack web developer in training at MITxPRO online with previous experience in environmental consulting across US and Canada

SKILLS

Web development, computer programming and relational database tools (in-training): JavaScript, React, HTML/CSS, Jest, Bootstrap. Git, Object Oriented Programming, Test Driver Development, Bash, MySQL, MongoDB, REST APIs, Node, Express, GraphQL

Hydraulic & hydrologic models and management systems: WRMM, MODFLOW, WEAP, HEC-RAS, HEC-HMS, FLUENT, MIKE 3D, MIKE SHE, River 2D, Visual Otthymo, HydroCulv, Visual Plumes, HSPF, BFLOW, GOLDSim

GIS, data management and statistical tools: ArcGIS, AutoCAD, MATLAB, VBA, ACCESS, SYSTAT, EXCEL

Professional affiliation: Professional Engineers Ontario EIT (2011 - 2015)

EXPERIENCE

DECEMBER 2012 - DECEMBER 2014

Golder Associates, Mississauga ON and Sunnyvale CA – *Water Resources Scientist*

- Strategized water management and designed mathematical models to ensure surface and ground water flow as per water quality objectives
- Helped clients achieve sewer and storm water discharge compliance for the sites
- Conducted environmental impact assessment studies to help clients maintain and execute a water management plan
- Worked with clients in the Solid & Hazardous Waste Management, Power Generation, Aggregate & Mining sectors and with clients in the Regional and Federal Government Agencies

AUGUST 2007 - MAY 2009

Purdue University, West Lafayette, IN – *Research and Teaching Assistant*

- Taught Elementary Hydraulics Lab
- Designed a streamlined shaped body for underwater mine detection using 3D computational fluid dynamics

EDUCATION

JUNE 2021 - APRIL 2022

MIT xPRO, Online – *Professional Certificate in Coding: Full-Stack Development with MERN*

AUGUST 2007 - MAY 2009

Purdue University, West Lafayette, Indiana – *Master of Science in Civil Engineering Hydraulics and Hydrology*

SEPTEMBER 2003 - JUNE 2007

Shri Guru Gobind Singhji College of Engineering and Technology, Nanded, India – *Bachelor of Engineering in Civil and Water Management*

VOLUNTEER

SEPTEMBER 2016 - SEPTEMBER 2020

VARIOUS ELEMENTARY SCHOOLS – *Teacher Aide*

- Helped elementary school children enjoy quiet time by reading books and effortlessly maintained decorum in class
- Conducted conflict-free play time activities on the playground
- Supported office in administrative work

AWARD

Purdue University College of Engineering Magoon Award for outstanding teaching assistant - 2009