Paul Motz

Experience:
Software Developer
Prolexion, Waterloo, ON   May 2016-August 2016
- Built a proof of concept of a browser based text-editor that passes sentences as JSON to a web server for grammatical analysis
- Developed a user interface based on the previously built proof of concept to allow users to type sentences and receive grammar feedback
- Front end technologies used: JavaScript, jQuery, HTML, CSS
- Back-end technologies used: Node.js, Express.js, MongoDB

Business Intelligence Co-op
Miovision Technologies Inc., Kitchener, ON   May-August 2011
- Tested software as a member of the Quality Assurance team, working in an Agile environment and participating in daily stand-up meetings
- Developed dashboards that displayed company metrics using Javascript, XML, XSLT, HTML and CSS
- Researched the issuing of Request for Proposals for traffic studies by American municipalities in order to evaluate the feasibility of a system of automated notifications

Education:
Bachelor of Engineering and Management, Civil
McMaster University, Hamilton, ON   September 2008-April 2013
- Completed a five-year Civil Engineering and Management program unique to McMaster that combined a full Civil Engineering degree with the core courses of a business degree
- Developed strong quantitative thinking skills through the engineering curriculum
- Utilized Matlab, R and C# for coursework
- Named to Deans' Honour List, which requires a sessional average of 9.5 or above on McMaster's 12-point scale (roughly 80%) in my last two years of study

Independent Coursework   August 2013-present
Coursera.org, edX.org, Udacity (online course providers)
- Coursera: Algorithms I & II, Algorithms: Design and Analysis, Part 1, Machine Learning
- edX: Engineering Software as a Service, Introduction to Computer Science
- Udacity: Object-Oriented JavaScript, Data Visualization and D3.js

Technical Skills and Competencies:
- Languages: JavaScript (client side and Node.js), Python, Java, HTML, CSS, SQL, R, Matlab
- Frameworks and libraries: jQuery, Bootstrap, D3.js