**Joshua Demkiw Resume**

Software Development | Electrical Engineering

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# Highlights of Skills and Accomplishments

* Web Scraping with BeautifulSoup
* Built RSA string encryption/decryption in Python 3
* Programming language proficiency including C, C++, objective C, Python, javascript, HTML5
* Engineering design experience with fusing coordination, transformers, grounding and switches in power distribution sector
* Experience implementing libraries and databases into applications using javascript
* Remote gold mining experience in both processing and mining
* Recent NATO secret security clearance, Controlled Goods Clearance, high value procurement

# WORK EXPERIENCE

**Buyer,** Babcock International Inc., Victoria, BC, Fall 2017

* Competitively bid electrical submarine components with suppliers
* Manipulate large exported data sets to perform cost and lead time analysis for supply chain management
* Create ‘request for proposals’ with technical authorities and project managers to source contract work

**Mining Engineering Intern,** Detour Gold Corp., Cochrane, ON, Fall 2016

* Responsible for new mining equipment installations, including design, part selection and supplier ordering
* Knowledge of methods and procedures of gold mining and processing. Confined spaces, gas detection (MX6 and gas badge pro, gas masks), LOTO, cyanide training.

**Engineering Intern,** Hydro Ottawa inc., Ottawa, ON, Fall 2015

* Performed engineering calculations to determine fusing coordination for distribution level transformers
* Equipment specification grounding project involving ground plates and conductive grounding cement “SANearth”

**Junior Electrical Designer,** Canadian Nuclear Laboratories, Petawawa, ON, Winter 2014

* Designed and reviewed electrical drawings

**Engineering Intern,** BlueCoat Systems Inc. (now Symantec), Waterloo, ON, Fall 2013

* Linux based development on web filtering security system

**iOS Application Features Development Internship,** PetroBeacon Technology Ltd., Calgary, AB, Summer 2014

* Independent development of projects and features for the iOS application, such as implementing a barcode scanner and Google Maps API.

# EDUCATION

**Bachelor of Applied Science,** Honours Electrical Engineering, University of Waterloo