Joshua Demkiw

Software Developer
joshuademkiw.com | github.com/joshDemkiw

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Education:

Bachelor of Applied Science, Electrical Engineering, Honours
University of Waterloo 2012-2017 | Waterloo, ON, Canada

Technical:

Security: RSA encryption/decryption in Python 3

Databases: mySQL database from web scraping for advertising

Web: BeautifulSoup web scraping, HTML5, CSS, Javascript, end-to-end website design

Mobile: Design and implementation of iOS applications to include barcode scanners and google maps API

Electrical: Fusing co-ordination, transformer and wire loading, grounding projects

Experience:

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

- Competitively bid electrical submarine components with suppliers
- Manipulated large data sets to perform cost and lead time analysis

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

- Mining equipment design
- Equipment database creation and design

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

- Fusing coordination for distribution level transformers/circuits
- 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 for fire safety

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

- Linux based development on web filtering security system

iOS Software Developer, PetroBeacon Technology Ltd., Calgary, AB, Summer 2014

- Independent development of projects and features for the iOS application, including implementing a barcode scanner and Google Maps API.