

Joshua Deans

Computer Science

TECHNICAL SKILLS

Programming

- Python
- Javascript
- C/C++
- HTML/CSS
- MongoDB

Software/IDEs

- Linux
- Git/GitHub
- JetBrains Suite
- Visual Studio

Frameworks/Misc

- Bootstrap
- jQuery
- NodeJS
- ExpressJS

TRANSFERRABLE SKILLS

- Demonstrated ability to work seamlessly both with teams and independently.
- Practiced in communicating technical topics to non-experienced laypersons.
- Able to learn new concepts in depth and with efficiency.

CIVIL CO-OP WORK EXPERIENCE

Kiewit

Jan 2015 – Aug 2015

Port Mann/Highway 1 Engineer Intern

- Coordinated and optimized traffic closures daily for the night shift traffic crew through collaboration and compromise with various conflicting parties, resulting in efficient operation throughout the project.
- Planned the completion of remaining project punchlist tasks, resulting in upwards of one hundred tasks being completed.
- Facilitated the sale of salvage items on the project, resulting in tens of thousands of dollars being returned to the project.
- Led purchasing of signs, traffic equipment, safety equipment, structural materials, and other required items for the entire Onshore team.

BC Hydro

May 2013 – Dec 2013

Public Safety and Project Support Co-op

- Updated seven Public Safety Management Plans, providing guidelines for BC Hydro generation facilities to ensure that they comply with public safety rules.
- Supported in Public Safety Education operations, relating to teaching public safety to firefighters, paramedics, police and trades workers.
- Provided project support for public safety projects, ensuring that public safety standards were met.

COMPUTING SCIENCE TECHNICAL PROJECTS

Personal Website (<http://www.joshuadeans.com>)

Jan 2018 – Mar 2018

- Taught myself HTML, CSS and Bootstrap to make a personal resume website.
- Wrote Javascript code to add event handling to manipulate browser elements.

Rotten Tomatoes Actor Grapher

Oct 2017 – Dec 2017

- Wrote a Python program to display a graph of an actor's cumulative Rotten Tomatoes scores, using tkinter for the desktop GUI, and matplotlib for the data visualization.
- Used regular expressions and the Python urllib library to scrape data on Rotten Tomatoes.

Games – Snake and 2048

June 2017 – Sept 2017

- Wrote clones of popular games Snake and 2048 using Python game library Pygame.

CIVIL TECHNICAL PROJECTS

UBC South Campus Stormwater Management Plan

Sept 2015 – Apr 2016

- Researched precedent examples of stormwater management to assist in producing potential solutions
- Produced a preliminary design report to provide further details about the chosen solution, including technical, economic, societal, regulatory, cost and schedule analyses.
- Presented a conceptual design to the client and professors, showing three potential solutions, and the preferred solution

VOLUNTEER WORK EXPERIENCE

Learning Buddies

Jan 2017-Jul 2017

Math Tutor

- Provided one-on-one tutoring assistance to an elementary school student struggling with mathematics.
- Mentored student to improve his self-esteem and attitude towards academics.

International Volunteer HQ

Aug 2014

Orphanage Volunteer – Ho Chi Minh City, Vietnam

- Entertained, engaged and cared for young Vietnamese orphans, ranging from newborns to ten year olds.
- Assisted in performing rehabilitative activities for a disabled orphan.

EDUCATION

Simon Fraser University

Sept 2017 – current

Bachelor of Computing Science, Second Degree

Grade Average (current): 4.0

University of British Columbia

Sept 2011 – Apr 2016

Bachelor of Applied Science: Civil Engineering

Grade Average: 78%

AWARDS

2015W Deans Honour List

Civil Capstone Design Award (2016 Grad Class)

ACTIVITIES AND INTERESTS

- Weightlifting
- Cooking
- Playing guitar
- Travel