

Joshua Deans

Computer Science

TECHNICAL SKILLS

Programming

- Python (excellent)
- JavaScript (fluent)
- Java (proficient)
- SQL (proficient)
- C/C++ (familiar)

Software/IDEs

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

Knowledge

- Web Development
- Android Development
- Database Management
- Data Structures

TRANSFERRABLE SKILLS

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

COMPUTING SCIENCE TECHNICAL PROJECTS

Walking Group Android App (CMPT 276 Course Project)

Jun 2018 – Aug 2018

- Create an Android Application that encourages students to walk in groups to class
- Interacted with pre-built asynchronous SFU server using Retrofit REST calls.
- Delivered requested features from client with using agile processes and version control.

FitTrkr (Database Course Project)

May 2018 – Aug 2018

- Created a fitness and workout tracking web app using Python's Flask microframework.
- Optimized the app's database schema using entity-relation diagrams, and normalization
- Used raw SQL queries to interact with a MySQL database.

Actor Grapher (Personal) (Link: bit.ly/actorgrapher)

Feb 2018 – Mar 2018

- Created a NodeJS web application to search and display a graph of any actor's cumulative Rotten Tomatoes scores over time.
- Used a web scraper (CheerioJS) to scrape score data from Rotten Tomatoes.
- Displayed the results in an aesthetically pleasing chart using the ChartJS library

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 operations by collaborating with various stakeholders. This resulted in efficient operation throughout the project.
- Planned the completion of remaining project tasks, resulting in upwards of one hundred outstanding tasks being closed.
- Facilitated the sale of salvage items on the project, resulting in tens of thousands of dollars being returned to the project.
- Led the 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.
- Provided support for public safety projects, ensuring that public safety standards were met.
- Supported Public Safety Education programs, relating to teaching public safety to firefighters, paramedics, police and trades workers.

CIVIL TECHNICAL PROJECTS

UBC South Campus Stormwater Management Plan

Sept 2015 – Apr 2016

- 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
- Won the Civil Capstone Design Award for best stormwater management project

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

- Engaged with 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): 3.82/4.33

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)