

# Joshua Deans

Computer Science

## TECHNICAL SKILLS

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### Programming

- Python (excellent)
- JavaScript (excellent)
- Java (proficient)
- SQL (proficient)
- C (familiar)

### Technologies

- NodeJS/Express
- Flask
- Git
- AJAX

### Knowledge

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

## TRANSFERRABLE SKILLS

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- 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

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### **Walking Group Android App (CMPT 276 Course Project)**

**Jun 2018 – Aug 2018**

- Created 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](http://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 scraping library (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

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### **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.

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**CIVIL TECHNICAL PROJECTS**

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**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

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**VOLUNTEER WORK EXPERIENCE**

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**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.

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**EDUCATION**

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**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%

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**AWARDS**

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**2015W Deans Honour List**

**Civil Capstone Design Award (2016 Grad Class)**