391 Rabbit Lane
West Vancouver, BC Canada
V7S 1J1

Mobile Phone: 778 990 9030
joshua.deans21@gmail.com

Joshua Deans
Computer Science

SKILLS

Programming	Software/IDEs	Communication Skills
• Python	• Linux	• Public Speaking
• C	• PyCharm	• Technical Reports
• Matlab	• Visual Studio	• Presentations
	• Microsoft Office	• Memos
		• E-mails

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
- Completed 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.

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

Engineering Student Center BIM Design Project   **Jan 2016 – Apr 2016**
- Developed conceptual and detailed designs for a theoretical building using Autodesk Revit.
- Scheduled the construction of said building using Microsoft Project.
- Simulated the construction process of the building using a 4D simulation from Autodesk Navisworks.
- Estimated costs associated with the building using Sigma Estimating software

Grandview Corridor Optimization   **Sept 2015 – Dec 2015**
- Identified traffic issues leading to congestion on the Grandview Highway corridor between Boundary and Nanaimo
- Conducted traffic study to determine traffic volume counts at certain intersections along the corridor
- Modelled the current conditions and the proposed solutions in the corridor using Synchro
- Applied data from Synchro simulations to calculate the benefit/cost ratio, and prescribe the optimal 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**
Mao Cai Orphanage Volunteer
- 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

University of British Columbia   **Sept 2011 – Apr 2016**
Bachelor of Applied Science: Civil Engineering

AWARDS

2015W Deans Honour List
Civil Capstone Design Award (2016 Grad Class)

ACTIVITIES AND INTERESTS

- Weightlifting
- Hiking
- Playing guitar