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Joshua Deans

TECHNICAL SKILLS

Programming	**Technologies**	**Knowledge**
• Java (excellent)	• Node + Express	• Web Development
• JavaScript (excellent)	• Flask	• Object-Oriented Design
• Python (proficient)	• React	• Database Management
• SQL (proficient)	• Git	• Data Structures

COMPUTING SCIENCE TECHNICAL PROJECTS

Duke It Out (Hackathon Project - nwHacks 2019)   Jan 2019 – Mar 2019
- Web chat app that allows fans on rival sports teams to argue in a fun way.
- Implemented NodeJS REST API that interacted with MySQL and SocketIO
- Used fetch requests and SocketIO listeners to asynchronously fetch data from the server to React front-end.

Walking Group Android App (Course Project)   Jun 2018 – Aug 2018
- 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 the client with using agile processes and version control.

FitTrkr (Database Course Project)   May 2018 – Aug 2018
- Fitness and workout tracking web app using Python Flask.
- 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/actor_grapher)   Feb 2018 – Mar 2018
- NodeJS web application to search/display any actor's cumulative Rotten Tomatoes scores
- Used a web scraping library (CheerioJS) to scrape score data from Rotten Tomatoes.

CIVIL CO-OP WORK EXPERIENCE

Jostle Corporation   Jan 2019 – Aug 2019
Java UI Developer Intern
- Worked with design and development teams to validate the feasibility of a platform-wide modal component framework.
- Implemented modal component framework using object-oriented design and design patterns, resulting in reduction of redundant code.

Kiewit   Jan 2015 – Aug 2015
Port Mann/Highway 1 Civil Engineer Intern
- Coordinated and optimized daily traffic closures for night shift operations through collaboration with various stakeholders, resulting in efficient operation throughout the project.
- Planned the completion of remaining project tasks, resulting in the completion of over 100 tasks.
- Facilitated the sale of project salvage items, returning approximately $10,000 to the project.

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.

VOLUNTEER EXPERIENCE

Learning Buddies   **Jan 2017 - Jul 2017**
Math Tutor
- Provided one-on-one tutoring assistance to an elementary school student struggling with math.
- Mentored student to improve his self-esteem and attitude towards academics.

EDUCATION

Simon Fraser University   **Sept 2017 – May 2020**
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

Deans Honour Roll – SFU, Summer 2018, Fall 2018
2015W Deans Honour List - UBC
Civil Capstone Design Award (2016 Grad Class)