

ENGL 301 Anusha Saleem Assignment 4.1- Application Package

Posting

Junior / Intermediate Full Stack Software Developer Co-op

About Us

BGC Engineering Inc. (BGC) is an international consulting firm that provides professional services in applied earth sciences. We work together as one team, with coordination and integration of all offices and disciplines. Currently there are over 450 employees, consisting of professional engineers, geoscientists, technicians, software developers, administrators, accountants, health & safety and human resources professionals. BGC has offices in British Columbia, Alberta, Ontario, New Brunswick and Nova Scotia, as well as Colorado, US and Santiago, Chile.

Our flat management structure and unique culture create a work environment where employees can grow professionally, work with fantastic teams and enjoy perks such as lunch time yoga, companywide clubs and mentoring opportunities.

Software Development at BGC

The successful applicant will be a part of BGC's software development team working alongside world class engineers and geoscientists to develop safety critical software applications. Apply your software development knowledge to build robust applications that monitor potential geological hazards and risks in real-time. The candidate will have the opportunity to conquer unique challenges developing web applications using a state-of-the-art geographical information system with cloud infrastructures.

To learn more about the software development team at BGC, click here: <http://www.bgcengineering.ca/software>

About the Role

- Develop enterprise geohazard management web application using a proprietary JavaScript framework and Esri ArcGIS.
- Integrate features with a cross-platform mobile application developed with Xamarin for offline use in the field.
- Work on features from beginning to end. Help refine User Stories by gathering requirements from stakeholders. Develop software using best in class tools and industry best practices. Be responsible for testing software you've written manually and through automation scripts. Take part in releasing the software into production.
- Be an integral part of the software team. Work alongside our more seasoned team members in a collaborative Scrum/Agile environment.
- Stay curious and keep an open mind for new technologies and ideas.

About You

- You have a degree in Computer Science or Engineering or equivalent
- You love to be challenged and have the willingness to adapt to future technology
- You are comfortable with at least one modern programming language such as C#, Java, or equivalent
- You have experience with HTML, CSS, and JavaScript
- You have experience with databases such as MS SQL, MySQL

BGC pays competitive salaries, provides a comprehensive benefits package, and maintains a casual but professional work environment. If you are qualified and interested in a career with BGC, please send your resume and a cover letter in confidence to: careers@bgcengineering.ca

We are an equal opportunity employer and are committed to diversity & inclusion. We encourage all qualified candidates to apply.

Reference:

BCG website, 2020

https://www.bgcengineering.ca/junior_intermediate_full_stack_software_developer.html

ANUSHA SALEEM

COMPUTER SCIENCE STUDENT WITH AN ENGINEERING BACKGROUND

| github. |

TECHNICAL SKILLS

Coding Languages

Java, C++, HTML/CSS, Python

Frameworks/Systems

Java Swing, React

PROGRAMMING PROJECTS

Static Webpage using React

nwPlus CMD-F Workshop | Sep 2020

- Developed a React app integrating a useState Hook.
- Deployed the app using Heroku

Image Manipulation Using C++

UBC | Jun 2020

- Used BFS, DFS and pointer manipulation to implement various manipulations on images.

Rock Paper Scissors Game

UBC GFN Hackathon - (2nd Place) | Feb 2020

<https://gfnhackathon.com>

- Responsible for key press functionality in the game, coded in Java
- GUI implemented using Java Swing

Mood-Based Playlist Generator

UBC | Jan 2020

- Developed a single user Playlist Generator which works on user's choices, while learning Java
- Incorporated various functionalities into the program including Read, Write and Save features
- Implemented GUI with Java Swing

EDUCATION

The University of British Columbia

Bachelor of Computer Science | Sep 2019 - present

NED University of Engineering and Technology

Bachelor of Petrochemical & Polymer Engineering | Dec 2015

WORK EXPERIENCE

IT Student Staff Support

UBC Sauder Robson Square | Oct 2019 to present

- Setup Audio-Visual equipment across all classrooms and provide on-call assistance during lectures
- Troubleshoot problems with AV equipment, Windows and Mac workstations in minimal time
- Ensure adequate hardware and software is available (including backup hardware)
- Maintain adequate security levels where required on all systems and applications

Engineer in Training (Manufacturing & HSE)

Mitsubishi Tri-Pack Films Ltd. | May 2016 - Jul 2019

- Efficiently carried out routine maintenance of equipment in-line with OEM recommendations
- Carried out Root Cause Analysis of Polymer Film Breaking during the manufacturing process. Actively contributed to devising strategies to minimize the frequency of such incidents

NWHACKS (Volunteer)

UBC | Jan 2020

- Welcomed Hackers and Mentors to the event
- Assisted teams in distributing goodies and merchandise amongst hackers
- Opened and closed the event with collaborative teamwork

Instructor Recruiting Committee (Student Representative)

UBC Computer Science | Sep 2019 - Mar 2020

- Assisted the committee in the recruitment process of university instructors
- Proofread and assisted in finalizing the recruitment ad
- Organized lunch meetings with prospective applicants and selected students from all grade levels
- Review and interview of applicants via. Skype and in-person.

INTERESTS

Engaging in RPG styled video games, Painting, Reading, Cooking, Cycling

Cover Letter

From: Anusha Saleem (ubcasal@gmail.com)

To: Stephen Jones (stjones@bcgjobs.com)

Date: 10th December 2020

Subject: BCG Junior/Intermediate Full Stack Software Developer Co-op

Dear Mr. Jones,

I am excited to apply for the position of Co-op that is posted on BCG's website. I am looking for both 4- and 8-month Co-op opportunities and, upon carefully reading the requirements, I am confident that I am a good fit for this role.

I am a third-year Computer Science student at the University of British Columbia (UBC). Before attending UBC, I studied (4 years Bachelors) and worked (3 years) as a Chemical Engineer. It was my passion for technology that compelled me to pursue Software Development as a career. I believe that the blend of my enthusiasm and professional experience will allow me to be more beneficial for your team.

In addition to the above mentioned, my experience in IT support at UBC's Sauder School of Business has helped me to develop an attitude to work efficiently in a team environment, take independent decisions when required, and to live by the mantra of delivering excellent customer service.

Apart from studies and work, I enjoy volunteering for causes I care about and places where I can be useful. In the past year, I have volunteered as an organizer in the annual nwHacks along with being a student representative in the Instructor Recruitment Committee (IRC) at the UBC Computer Science Department. My experience as an organizer at nwHacks allowed me to work with amazing people who are as passionate about technology as I am. I also learned a lot about the Software industry while interacting with mentors and participants. As a Student Representative at IRC, I interviewed aspirant instructors and organized various lunch interviews between students and the applicants. I gathered the interview feedback from students and informed the IRC about it in weekly meetings. I learned a lot about the good use of communication skills during my time with IRC.

In light of the above, I am optimistic that I will prove to be a good addition to your team as evidenced by my good education, strong professional experience, a passion for technology, and the ability to efficiently multitask. Should you have any further questions, please feel free to contact me.

Kind regards,
Anusha Saleem

Reference Letter Requests

Anusha Saleem
123 Main Street
Vancouver, BC V1G2Y4
555-555-5555
ubcasal@gmail.com

Dec 10, 2020

John Rogers
Office Manager
Chem Corporation
680 Main Boulevard, Ste. 300
Ocean City, CA 93650

Dear Mr. Rogers,

I am reaching out to ask you to provide me a reference for a new opportunity I am seeking with BCG Engineering. Of course, I completely understand if you are unable to commit to this. Please just let me know as soon as possible.

I learned a lot about the industry while working for you at Chem Corporation, and I think you would be able to provide the kind of insight into my skills that would increase my chances of landing this new position. As you know, I have enrolled in UBC's Computer Science program for degree holders. The opportunity at BCG Engineering is related but would also require many of the analytical and digital techniques I developed while working for you.

Thank you very much for considering my request. I have attached a copy of my updated resume and the job posting for your review. Gary Smith from Human Resources will be the contact person at BCG who will be in touch if you agree to provide the reference for me.

If you have any questions or need any further information, please don't hesitate to let me know.

Sincerely,

Anusha Saleem

Anusha Saleem
123 Main Street
Vancouver, BC V1G2Y4
555-555-5555
ubcasal@gmail.com

Dec 10, 2020

Gregor James
Senior Professor
UBC CS
680 Main Boulevard, St 300
Vancouver, BC V6T1H4

Subject: Anusha Saleem Reference Request

Dear Mr. James,

I am writing to you to request that you provide a reference for me as I apply to BCG Engineering for their co-op position. As you know, I will be completing my graduate studies this spring, and have found several exciting opportunities that I am exploring.

As my undergraduate thesis advisor and mentor, I believe that a reference from you would provide a potential employer with information to recommend me as a software developer.

If you need any additional information, please contact me via email or phone.

Thank you for your consideration and support.

Sincerely,

Anusha Saleem
555-555-5555
ubcasal@gmail.com

Anusha Saleem
123 Main Street
Vancouver, BC V1G2Y4
555-555-5555
ubcasal@gmail.com

Dec 10, 2020

Jessica Chen
BCS Program TA
UBC CS
680 Main Boulevard, St 300
Vancouver, BC V6T1H4

Subject: Anusha Saleem Reference Request

Dear Jessica,

I am writing to you to request that you provide a reference for me as I apply to BCG Engineering for their co-op position. As you know, I will be completing my graduate studies this spring, and have found several exciting opportunities that I am exploring.

As my undergraduate program TA and mentor, I believe that a reference from you would provide a potential employer with information to recommend me as a software developer.

If you need any additional information, please contact me via email or phone.

Thank you for your consideration and support.

Sincerely,

Anusha Saleem
555-555-5555
ubcasal@gmail.com