Callum Haugen

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EDUCATION
Bachelor of Computer Science, Honours, Software Engineering, Co-op Option
Carleton University, Ottawa, ON   Enrolled September 2018-Present
- Enrolled in September 2018 - Present
- 2nd year Undergraduate, CGPA 10.86/12(A-)
- Deans' List 2018-19, Henry Marshall Tory School Scholarship Award
- Expected graduation April 2023

AVAILABILITY
Available for 4-8 months beginning May 2020
Available for 4 months beginning in September 2020

RELEVANT SKILLS, EXPERIENCES AND ACCOMPLISHMENTS
Technical Skills
- Applied knowledge of Java, C++ and object-oriented based theories such as polymorphism and inheritance in order to develop solutions that required use of object-based arrays
- Developed a multitude of test cases including standard, extreme, and obscure cases to provided programs to strengthen and enhance their code and document it.
- Expresses a working knowledge of Python, JavaScript, HTML, CSS, SQL, and NoSQL databases to make moderately complex programs to facilitate the completion of various client and server-side web application
- Developed programs using versions control software such as Git and GitHub to develop larger programs

Communication Skills
- Facilitated math seminars in a university environment to incoming first year students to enhance their comprehension of math concepts
- Provided clear and immediate written and oral feedback to students in a constructive and respectful manner to ensure they understood tasks
- Discussed issues proactively with colleagues about problematic students and devised solutions in order to remedy the situation
- Addressed customers that requested services from a small computer repair business, explaining in a clear and concise manner what repairs were needed
- Prepared and completed documents pertaining to fixes in a meticulous and thorough manner to the satisfaction of the business, customer and manufacturer

Analytical Skills
- Brainstormed and discussed with co-workers' possible solutions to student's struggles with course material and devised a course of action to rectify these issues
- Evaluated and diagnosed technical problems with a variety of computer hardware and software and identified solutions to the customer's specifications.
- Read through documentation in order to extract information on how to implement and successfully use various methods and APIs in various programming languages to make code stronger and clearer

WORK EXPERIENCE
Study Group Leader   **August 2019**
Math Matters
Carleton University, Ottawa, ON
- Ensured 25 first year students understood and could implement necessary math concepts.
- Taught and reinforced basic concepts such as trigonometry, functions, derivatives and components of linear algebra.
- Evaluated students and provided feedback in a constructive and positive manner and communicated clearly and constructively what they need to do to improve and succeed while still being respectful in delivering comments.

Sales and Service Technician   **July 2018 - August 2018**
The PC Room, Ottawa, ON
- Evaluated and identified technical problems, created a course of action to rectify the identified issue, and executed the plan in an efficient and robust manner.
- Performed fixes on customer's systems in a quick and complete manner that satisfies the customer's request

VOLUNTEER EXPERIENCE AND EXTRACURRICULAR ACTIVITIES

Participant   **September 2019- Present**
Carleton Intramural Basketball, Ottawa, ON
- Communicates with teammates in high pressure situations in order to facilitate teamwork and cooperation
- Displays competitiveness while still maintaining composure and respect to opponents

CUHacking Hackathon
- Worked with a team in a time sensitive setting to complete a project
- Displays ability to work in a team to devise solutions to a problem efficiently and effectively

Applied Projects
Trivia database:
- Created a database with trivia questions that can be used through client-side JavaScript and powered by a NodeJS server using a mongo DB database implementation
- Developed using Git and GitHub for version control and application is hosted on Google Cloud services

Raspberry Pi:
- Installed a specialty version of Linux called Retropi on a Raspberry Pi that can run games and has controller support
- Used SSH to transfer files from a computer to the Raspberry pi to avoid having to use more hardware taxing cloud services to move files