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Software Development Engineer - 2022 (Canada)

Job ID: 1559865 | Amazon Dev Centre Canada ULC

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DESCRIPTION

Do you want to solve business challenges through innovative technology? Do you enjoy working on cutting-edge, scalable services technology in a team environment? Do you like working on industry-defining projects that move the needle?

At Amazon, we hire the best minds in technology to innovate and build on behalf of our customers. The focus we have on our customers is why we are one of the world's most beloved brands – customer obsession is part of our company DNA. Our Software Development Engineers (SDEs) use cutting-edge technology to solve complex problems and get to see the impact of their work first-hand.

The challenges SDEs solve for at Amazon are big and influence millions of customers, sellers, and products around the world. We are looking for individuals who are passionate about creating new products, features, and services from scratch while managing ambiguity and the pace of a company where development cycles are measured in weeks, not years.

Key Job Responsibilities

- Collaborate with experienced cross-disciplinary Amazonians to conceive, design, and bring innovative products and services to market.
- Design and build innovative technologies in a large distributed computing environment and help lead fundamental changes in the industry.
- Create solutions to run predictions on distributed systems with exposure to innovative technologies at incredible scale and speed.
- Build distributed storage, index, and query systems that are scalable, fault-tolerant, low cost, and easy to manage/use.
- Design and code the right solutions starting with broadly defined problems.
- Work in an agile environment to deliver high-quality software.

To qualify, applicants should have earned a Bachelor's or Master's degree between October 2020 to September 2022. Possible start dates are between February 2022 to October 2022.

NOTE: By applying to this position, your application will be considered for all locations we hire for in Canada including, but not limited to: Vancouver, BC; Toronto, ON, Winnipeg, MN, Victoria, BC, Ottawa, ON, Calgary, AB, Montreal, QC. Locations are subject to change.

If this opportunity interests you, apply and come chart your own path at Amazon.

NOTE: Applications are reviewed on a rolling basis. For an update on your status, or to confirm your application was submitted successfully, please login to your candidate portal. Please understand that we are reviewing a high volume of applicants, and appreciate your patience as we review applications for future Amazonians!

Amazon is committed to a diverse and inclusive workplace. Amazon is an equal opportunity employer and does not discriminate on the basis of race, national origin, gender, gender identity, sexual orientation, disability age, or other legally protected status. If you would like to request an accommodation, please notify your recruiter.

BASIC QUALIFICATIONS

- Currently enrolled in or completed within the last 6 months a Bachelor's or Master's Degree in Computer Science, Computer Engineering, or related fields
- Programming experience with at least one modern language such as Java, C++, or C# including object-oriented design
- Knowledge of Computer Science fundamentals such as object-oriented design, algorithm design, data structures, problem solving, and complexity analysis

PREFERRED QUALIFICATIONS

- Previous technical internship(s), if applicable.
- Experience with distributed, multi-tiered systems, algorithms, and relational databases.

Job details

Vancouver, Canada

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Software Development

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- Experience in optimization mathematics such as linear programming and nonlinear optimization.
- Ability to effectively articulate technical challenges and solutions.
- Adept at handling ambiguous or undefined problems as well as ability to think abstractly.

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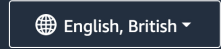
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“Software Development Engineer - 2022 (Canada).” *Amazon.Jobs*, 18 May 2021,

[www.amazon.jobs/en-gb/jobs/1559865/software-development-engineer-2022-
canada](https://www.amazon.jobs/en-gb/jobs/1559865/software-development-engineer-2022-canada).

Yang Liu

778-681-7677 | younglll2015@gmail.com | 5740 Toronto Rd. APT 103, Vancouver, Canada,
V6T1L2

TECHNICAL SKILLS

- **Language:** Java, SQL, HTML, Python, JavaScript, MatLab, R, C, C++,
- **Software:** GitHub, IntelliJ, WebStorm, Visual Studio Code, PyCharm, RStudio

TECHNICAL PROJECTS

- | | | |
|--|---------------------------------------|----------------|
| Y86 Debugger | <i>Operating System Project in C</i> | 1/2020 |
| <ul style="list-style-type: none">• Developed a non-pipeline Y86 assembly code debugger for type-specific Y86 input files• Be able to set break points, run Y86 code line to line or as integration and examine 15 registers | | |
| SuperRent | <i>DataBase Project in SQL</i> | 11/2019 |
| <ul style="list-style-type: none">• Developed a car rental system by designing the UI for customer inquiry and reservation• Connected the frontend to UBC computer science department's server (Linux System) via self-defined models. | | |
| InsightFacade | <i>Software Project in JavaScript</i> | 9/2019 |
| <ul style="list-style-type: none">• Developed a course and classroom availability query system with Typescript in Agile environment• Over 100 tests when development using Mocha test framework and achieved over 90% case coverage• Connected the frontend to UBC computer science department's server (Linux System) | | |
| Reminder APP | <i>Software Project in Java</i> | 1/2019 |
| <ul style="list-style-type: none">• Developed a task and project reminder by designing the UI for smart phones• Be able to create tasks or projects, customize name, description, set time and priorities | | |

EDUCATION

- | | |
|---|---------------------------------|
| THE UNIVERSITY OF BRITISH COLUMBIA | British Columbia, Canada |
| Bachelor of ARTS | |
| Combined major in math and economics | 09/2015-05/2019 |
| <ul style="list-style-type: none">• GPA: 3.7/4.33• Class One Student• Coursework: [intermediate macroeconomics, intermediate microeconomics, Introduction to Empirical Economics, Methods of Empirical Research in Economics, International Finance, International Trade, International Macroeconomics and Finance, Financial management, Corporate Finance] | |
| Bachelor of Computer Science | 09/2019-Current |
| <ul style="list-style-type: none">• GPA: 3.8/4.33• 2019W Dean Honour List• Coursework: [Software Construct, Basic Algorithm and Data Structure, Introduction to Software Engineering, Introduction to Relational Database, Introduction to Computer Systems, Intermedia Algorithm, Operating System, Introduction to Machine Learning] | |

AWARDS

- 2017 - 2019 UBC Trek Excellence Scholarship
- 2018 UBC Faculty of Arts International Student Scholarship

WORK EXPERIENCE

- | | |
|---|--------------------------|
| Easy. Education Vancouver | Vancouver, Canada |
| <i>Part time</i> | 06/2019-06/2020 |
| <ul style="list-style-type: none">• Teach economics as instructor in both weekly courses and review courses | |
| China Life Insurance Co., Ltd | Taizhou, China |
| <i>Intern</i> | 07/2017-08/2017 |
| <ul style="list-style-type: none">• Review application form, collect individual profile and update clients' database, | |

- Calculate the revenue and expenses of the insurance claim to create and upload final invoices to the online portal.

China Agricultural Bank

Taizhou, China

Intern

07/2016-08/2016

- Welcome visitors by greeting them, in person or on the telephone; answering or referring inquiries.
- Direct visitors by maintaining employee and department directories; giving instructions.

City Bank China

Beijing, China

Intern

07/2014-08/2014

- Reviewed the completeness and accuracy of the remittance application,
- Properly made out the remittance message, letter of trust, payment authorization, bank sight draft.
- Settled trades on settlement date and on a timely basis

PERSONAL INTERESTS

- **Language Skill:** Native in Mandarin, Fluency in English
- **Hobbies:** Skiing, Traveling, Music, Film

Yang Liu

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To Whom It May Concern:

As a new graduate of the University of British Columbia, I am a professional interested in your posting for software engineers in Amazon. I believe I possess the specialized skills you seek and would make a valuable addition to your company.

As my resume indicates, I am studying in the UBC computer science program full-time and will graduate in April 2022. I have taken many courses and learned many topics, including data structure, relational database, advance algorithm design, and time & space complexity analysis. Also, I have finished many academic projects using popular programming languages, such as Java, Python, JavaScript, C, and frameworks like React/Redux in JavaScript and Spring in Java.

One of my previous projects in my resume, *InsightFacade*, shows that some of my experiences match the qualifications you seek. This project is a full-stack project implemented using JavaScript. The fundamental elements in this project are listed below:

1. A course and classroom availability query system with Typescript in an Agile environment
2. Over 100 tests when development using Mocha test framework and achieved over 90% case coverage
3. Frontend webpage connected the frontend to the UBC computer science department's server (Linux System)

I believe that my previous experiences in programming make me an ideal candidate for your software engineering position. I have attached my resume for your review, and I am looking forward to speaking with you further regarding your available positions.

Sincerely yours,

Yang Liu

Yang Liu

Yang Liu
5740 Toronto Rd,
Vancouver, BC V6T1L2

Elisa Baniassad
Associate Professor of Teaching in UBC
ICICS Computer Science,
2366 Main Mall,
Vancouver, BC V6T1Z4

Dear Dr Baniassad,

I am reaching out to ask you for a reference for a software engineer position at Amazon. I am your previous student in CPSC 310, where I learned about advanced software engineering principles. I completely understand if you are unable to commit to this. Please let me know if you cannot help.

I learned a lot about software engineering while I was in your class and worked on the project for CS 310. The opportunity at Amazon is related to many concepts we had discussed in class when I studied with you. 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.

Thank you for considering my request. I have attached a copy of my resume and the job posting for your review. If you have any further questions, please email me at youngll2015@gmail.com.

Sincerely,

Yang Liu

Yang Liu

Yang Liu
5740 Toronto Rd,
Vancouver, BC V6T1L2

Nick Harvey
Professor in UBC
ICICS Computer Science,
2366 Main Mall,
Vancouver, BC V6T1Z4

Dear Dr. Harvey,

I am reaching out to ask you for a reference for a software engineer position at Amazon. I am your previous student in CPSC 320, where I learned about advanced algorithm design. I completely understand if you are unable to commit to this. Please let me know if you cannot help.

The opportunity at Amazon is related to many concepts we had discussed in class when I studied with you. While in your lesson, I learned a lot about algorithms, such as dynamic programming and NP-complete problems. 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.

Thank you for considering my request. I have attached a copy of my resume and the job posting for your review. If you have any further questions, please email me at youngll2015@gmail.com.

Sincerely,

Yang Liu

Yang Liu

Yang Liu
5740 Toronto Rd,
Vancouver, BC V6T1L2

Raymond Ng
Professor in UBC
ICICS Computer Science,
2366 Main Mall,
Vancouver, BC V6T1Z4

Dear Dr. Ng,

I am reaching out to ask you for a reference for a software engineer position at Amazon. I am your previous student in CPSC 304, where I learned about relational databases and SQL syntax. I completely understand if you are unable to commit to this. Please let me know if you cannot help.

The opportunity at Amazon is related to many concepts we had discussed in class when I studied with you. While in your lesson, I learned a lot about how to perform a query to search in a database. As you know, a qualified software engineer requires professional coding skills also in serving in a relational database. 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.

Thank you for considering my request. I have attached a copy of my resume and the job posting for your review. If you have any further questions, please email me at younglll2015@gmail.com.

Sincerely,

Yang Liu

Yang Liu