

Job Posting

DESCRIPTION

Amazon internships are full-time positions, and interns should expect to work Monday-Friday, up to 40 hours per week typically between 8am-5pm. Specific team norms around working hours will be communicated by your manager. Interns should not have conflicts such as classes or other employment during the Amazon work-day.

Applicants should have a minimum of one school term remaining in their studies after their internship concludes. Applicants will be considered for all SDE roles through this application.

Start Dates For Our Internships Include The Following Periods

- Winter (Starts January/February)
- Summer (Starts May/June)
- Fall (Starts August/September)

Software Development Engineer (SDE) Internships

At Amazon, we hire the best minds in technology to innovate and build on behalf of our customers. The intense 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 interns write real software and collaborate with a select group of experienced software development engineers (SDEs) who guide interns on projects that matter to our customers.

As an intern, you will be matched to a manager and a mentor. You will have the opportunity to influence the evolution of Amazon technology and lead mission critical projects early in your career. Your design, code, and raw smarts will contribute to solving some of the most complex technical challenges in the areas of distributed systems, data mining, automation, optimization, scalability, and security – just to name a few.

In addition to working on an impactful project, you will have the opportunity to engage with Amazonians for both personal and professional development, expand your network, and participate in activities with other interns throughout your internship. No matter the location of your internship, we give you the tools to own your project and learn in a real-world setting. Many of our technologies

overlap, and you would be hard pressed to find a team that is not using Amazon Web Services (AWS), touching the catalogue, or iterating services to better personalize for customers. We make the impossible, possible.

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.
- Ability to design and code the right solutions starting with broadly defined problems.
- Work in an agile environment to deliver high-quality software.

Locations:

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. Locations are subject to change.

We're on the lookout for the curious, those who think big and want to define the world of tomorrow. At Amazon, you will grow into the high impact, visionary person you know you're ready to be. Every day will be filled with exciting new challenges, developing new skills, and achieving personal growth.

How often can you say that your work changes the world? At Amazon, you'll say it often. Join us and define tomorrow.

Basic Qualifications

- Currently enrolled in a Diploma, Bachelors, Masters, or PhD in Computer Science, Computer Engineering, Data Science, Electrical Engineering, or majors relating to these fields are considered with an expected graduation date between 10/2023 - 9/2026.

- Programming experience with at least one modern language such as Java, C++, or C# including object-oriented design.

Preferred Qualifications

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

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 at amazonuniversity.jobs. Amazon works with a high volume of applicants so we appreciate your patience as we review applications.

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.

Company - AMZN CAN Fulfillment Svcs, ULC

Work Cited

amazon.jobs. "Software Development Engineer Intern - 2023 (Canada)." *Amazon.jobs*, 08 Aug. 2022, <https://www.amazon.jobs/en/jobs/2114265/software-development-engineer-intern-2023-canada>.

2526 46th W. Vancouver B.C.

August 8, 2022, 2022

Amazon Canada

510 W Georgia St #14, Vancouver, BC V6B 0M3Dear Hiring Manager,

Dear Hiring Manager of Amazon Canada,

I am thrilled to apply for Software Engineer Co-op at Amazon where world-leading technologies are developed to make people's life more convenient. I am ready to be a part of the company and contribute to providing technology services to customers.

I am an experienced engineer with practical experience in web development, database, and server and good academic fundamentals in Computer Science. At UBC, I have successfully taken CS courses such as Introduction to Data Structure and Algorithm(CPSC221), Software Construction(CPSC210), and Computation, Programs and Programming(CPSC110) receiving an A from all of them.

In my personal project Ebute, I have built a website where users can post and delete videos and manage their accounts. Using Express and MongoDB, I created a solid Model – View - Controller structure in Java Script. I have also built a PNG Compressor that produces a compressed PNG image from a given image using tree traversal with the BFS algorithm. The skills and technologies I have learned through these experiences will be great fundamentals for me to develop better health service solutions for the world.

Before joining UBC, I worked as a full-time mechanical design engineer in SEMES, the largest semiconductor equipment company, and a part of Samsung. While working there, I had to actively interact with more than 100 people in my team, and I learned the importance of effective and correct communication. Also, to bring out my performance in a large organization, I achieved self-motivation to show performance to the company.

My practical and academic skills in software development and working experience as an engineer in a fast-paced industry would be great assets to you. I am looking forward to delivering innovative services using state-of-the-art technologies at Amazon.

Sincerely,



Eunho (Chris) Jung

Eunho (Chris) Jung

2526 46th W. Vancouver B.C. | 1-236-513-2605 | eunhocj@student.ubc.ca

OBJECTIVE

4th-year Computer Science student Looking for a co-op position as a Software Engineer in Amazon to utilize my technical skills and working knowledge of software applications, development, and design.

EDUCATION

Bachelor's in Computer Science, University of British Columbia (UBC) - Vancouver

Sep 2021 - May 2024(Expected) | GPA: 4.1 / 4.33

Relevant Courses: Basic Algorithms and Data Structure, Software Construction, Introduction to Computer System, Computation, Programs, and Programming, Models of Computation

Bachelor's in Engineering (Mechanical), Kyungpook National University (KNU) - Daegu, Korea

Mar 2013 - Feb 2019 | GPA: 4.1 / 4.5

PROFESSIONAL EXPERIENCE

Mechanical Design Engineer, SEMES - Cheonan, South Korea

Jan 2019 – Jun 2020

- Designed robot hardware systems of semiconductor manufacturing equipment using 3D and 2D CAD tools
- Solved complex engineering problems (Stress analysis, life cycle analysis and etc.) to meet customers' needs

Undergraduate Researcher, KNU Computational Mechanics Lab - Daegu, Korea

Apr 2018 – Dec 2018

- Implemented and analyzed the performance of an FSI(Fluid-Structure Interaction) problem solver using MATLAB
- Conducted a design optimization project of a medical device using ANSYS

Military Service, Republic of Korea Navy - Jinhae, Korea

Feb 2014 – Jan 2016

- Maintained and operated in a submarine rescue ship
- Translated English documents to Korean and Interpreted dialogues between Korean and US officers

SKILLS

Programming: Python, Java, C/C++, JavaScript, MATLAB, HTML/CSS, React, NodeJS,

Frameworks/Tools: Firebase, Express, MongoDB, Webpack, Babel, Google Maps API, Selenium, Selenium IDE, JUnit

Version Control System: Git/Github

PERSONAL PROJECTS

Etube

Jan – May 2022

- An application where users can create accounts and post videos (Youtube clone)
- Implemented CRUD (video and user) feature using database based on Model – View - Controller structure
- Developed an effective routing system using Express and handled undesirable approaches using middleware
- Other features: Search video, login using passwords, social authentication etc.

Skills: JavaScript, NodeJS, MongoDB, Express, Babel, Webpack, HTML, CSS

PNG Compressor

Mar 2022

- A PNG image compression algorithm using lossy image compression method
- The program creates a binary tree by partitioning the HSLA pixels of the image, and then manipulates the pixels within the same partition if they have close HSLA values.
- Effectively managed time complexity and memory by using BFS tree traversal in recursive programming.

Skills: C++, Data Structures and Algorithms, Image Processing

Eco Bus

May 2021

- A web app to incentivize users to take public transportation by searching routes with CO2 emissions they save
- The app features Google map, route search, auto-completed locations, user & history tracking, and social login
- Went through automated tests using Selenium IDE based on various user experiences possible

Skills: JavaScript, ReactJS, MongoDB, Firebase, Google Maps API, Selenium IDE, HTML and CSS

REFERENCES

Available on request

From: Chris Jung, Former Undergraduate Researcher at KNU Computational Mechanics Lab

To: Dr. Gun Noh, Assistant Professor at Korea University

Date: August 8, 2022

Subject: Request for Reference Letter

Dear Prof. Noh,

I hope you and all the members of the lab are having healthy and productive days in Korea. I am applying for the 2023 summer internship at Amazon Canada. I would like to ask you to write a reference letter for the job application.

As the job position is Software Developer, strong programming skills are valued to be a successful candidate. While working at your lab, I found my passion in programming and restlessly worked on codes to design the computational engineering simulation you asked me to make. From those intensive programming days, I saw a significant improvement in my coding. I am grateful for the challenges and training that you provided me. So, it would be a big help for me if you can write a reference letter about this experience with me.

Thank you for your time reading this email. I attached my resume and job application package for more detailed information. If you have any questions, please contact me at eunhocj@student.ubc.ca.

Sincerely,

A handwritten signature in black ink that reads "Chris Jung". The signature is written in a cursive, slightly slanted style.

Chris Jung

Enclosure1: Resume_Chris_Jung.pdf

Enclosure2: Job_Application_Package_Amazon.pdf

From: Chris Jung, Former Student of CPSC 121

To: Dr. Melissa Lee, Professor of Teaching at University of British Columbia

Date: August 8, 2022

Subject: Request for Reference Letter

Dear Prof. Lee,

I hope you are having a great summer. I am applying for the 2023 summer internship at Amazon Canada. I would like to ask you to write a reference letter for the job application.

As the job position is Software Developer, logical thinking and strong problem-solving skills are valued to be a successful candidate. While taking CPSC121 from you, I was challenged by numerous questions about logic and proofs. From that intensive studying, I saw a significant improvement in my logical thinking and problem-solving skills. I am grateful for the challenges and training that you provided me. So, it would be a big help for me if you can write a reference letter about this experience with me.

Thank you for your time reading this email. I attached my resume and job application package for more detailed information. If you have any questions, please contact me at eunhocj@student.ubc.ca.

Sincerely,

Chris Jung

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Enclosure1: Resume_Chris_Jung.pdf

Enclosure2: Job_Application_Package_Amazon.pdf

From: Chris Jung, Former Student of CPSC 210

To: Dr. Patrice Belleville, Professor of Teaching at University of British Columbia

Date: August 8, 2022

Subject: Request for Reference Letter

Dear Prof. Belleville,,

I hope you are having a great summer. I am applying for the 2023 summer internship at Amazon Canada. I would like to ask you to write a reference letter for the job application.

As the job position is Software Developer, object-oriented programming(OOP) skills are valued to be a successful candidate. While taking CPSC210 from you, I learned the core knowledge of OOP from your lectures. Especially from the programming project, I saw a significant improvement in my practical understanding of OOP. I am grateful for the challenges and training that you provided me. So, it would be a big help for me if you can write a reference letter about this experience with me.

Thank you for your time reading this email. I attached my resume and job application package for more detailed information. If you have any questions, please contact me at eunhocj@student.ubc.ca.

Sincerely,

Chris Jung

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