

Assignment 4.2: Application Package for Amazon Internship

Brent Hanover | 27573104 | English 301 | April 5, 2019

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Software Development Engineer Co-op - Fall 2019 (Canada)

Job ID: 803585 | AMZN CAN Fulfillment Svcs, ULC

DESCRIPTION

Amazon Student Programs is looking for Software Development Engineering interns to join our development teams located in Amazon offices across Canada.

Note: By applying to this position, your application will be considered for locations we hire for in Canada: Vancouver, CA; Toronto, CA; & Winnipeg, CA.

We are looking for Amazon interns to join us for Fall 2019! Amazon interns have the opportunity to work alongside the industry's brightest engineers who innovate everyday on behalf of our customers. Our interns and co-ops write real software and partner with a select group of experienced software development engineers, who both help and challenge them as they work on projects that matter to our customers.

As an intern, you will be matched to a manager and a mentor and given the opportunity to have direct impact on the evolution of Amazon's technologies as well as 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 an impactful project, you will have the opportunity to engage with Amazonians in both personal and professional development, expand your network, and take part in fun activities throughout the summer. No matter the location of your internship, we give you the tools to own your summer and learn in a real world setting. Many of our technologies overlap—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.

Below is a small snapshot of potential work experience you may gain during your internship at Amazon:

- Collaborate with experienced cross-disciplinary Amazonians to conceive, design, and bring to market innovative devices and services
- 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 cutting

edge technologies at incredible scale and speed

- Build distributed storage, index, and query systems that are scalable, fault-tolerant, low cost, and easy to manage and use

Amazon internships are full-time (40 hours/week) for 12-16 consecutive weeks with start dates between September 2019 through December 2019. Applicants should have at a minimum one quarter/semester remaining after their internship concludes.

Amazon is a place where builders build. Will you build with us?

BASIC QUALIFICATIONS

- Currently enrolled in a Bachelor's or Master's degree program in Computer Science, Computer Engineering, or related technical discipline with a focus on software development
- Experience coding in Java, C, or C++

PREFERRED QUALIFICATIONS

- Enrolled in a Bachelor's Degree in Computer Science
- Strong understanding of object-oriented design, data structures, and algorithms
- Proficient in one or more object-orientated programming languages (Java, C, C++, etc.)
- Ability to effectively articulate technical challenges and solutions
- Adept at handling ambiguous or undefined challenges through strong problem solving skills and effective communication

Amazon is an Equal Opportunity-Affirmative Action Employer – Minority / Women / Disability / Veteran / Gender Identity / Sexual Orientation

Pursuant to the San Francisco Fair Chance Ordinance, we will consider for employment qualified applicants with arrest and conviction records.

Citation:

"Amazon jobs." *Amazon*, n.d. <https://www.amazon.jobs/en/jobs/803585/software-development-engineer-co-op-fall-2019-canada>. Accessed 26 Mar. 2019.

Brent Hanover
123 5th Avenue
Vancouver, BC, V6K 1S2

April 5, 2019

Matan Halevy
Amazon.com, Inc.
careers@amazon.ca
Vancouver, BC, V1E3F9

Subject: *Inquiry about a Software Internship at Amazon's Downtown Vancouver Location*

Dear Matan Halevy,

My name is Brent Hanover and I am applying to the software internship position advertised on indeed.ca. I was referred to this position by a co-worker of yours, Jason Cion, with whom I spent several years studying together at UBC. I graduated in 2015 with a degree in Mechanical engineering, and since then have been working at Philips as a manufacturing engineer, but am currently pursuing a second degree in Computer Science at UBC. I am interested in the position at Amazon because Amazon has an outstanding reputation of excellence in software design and systems management. The position described for the software development intern strongly mirrors my experience and qualifications and I am highly interested in joining the team at Amazon.

I have excelled in all software courses that I have taken so far, maintaining a 4.0 GPA and earning personal recommendations from professors. I am very proficient in Java and have worked in Python and C as far back as 2017. I am most interested in machine learning and AI and am planning on expanding my knowledge in future semesters by taking multiple courses in statistics. I have created several personal projects, including remakes of the games Flappy Bird and Tetris in Java, a web application using React that provides quick information to at-risk persons about services like homeless shelters or safe injection sites, and a password protector in Python 3 that saves a password to the clipboard upon input of one master password and a keyword.

At Philips, I focused my abilities in providing solutions for production issues, establishing manufacturing processes, and eliminating waste. I am the lead engineer for new product introduction, ensuring that new products have a smooth transition to becoming standard production products. Notable achievements include leading training sessions for 4-12 employees, executing cost saving initiatives totaling over \$170k/year, and reducing cardboard waste by over a million square feet per year.

I firmly believe that my skillset and experience in object-oriented programming will be an excellent fit with Amazon's team and will result in creating significant value with all parties involved. I look forward to discussing my qualifications with you further during a personal interview. Please feel free to contact me by email at brenthanover@gmail.com, or by phone at 604-123-4567.

Sincerely,



Brent Hanover

Enclosed: Résumé

Brent Hanover

Vancouver, BC | 604 722 6014 | brenthanover@gmail.com | [LinkedIn](#)

OBJECTIVE

Software development internship for a well-established technology company

TECHNICAL SKILLS

- Java, Python, C, R, HTML, CSS, Javascript
- IntelliJ, JUnit testing, Node.js
- Bootstrap, React, jQuery
- Solidworks, AutoCAD, NX, Adept, Office
- Sheet metal, 3D printing, machining, CNC, casting
- Git, Firebase, Agile/Scrum, Lean, Six Sigma

EDUCATION

Bachelors of Applied Science: Mechanical Engineering

University of British Columbia Dean's List 2010 — 2015

Bachelors of Computer Science

University of British Columbia 4.0 GPA 2018 — 2020

WORK EXPERIENCE

Manufacturing Engineer

Signify 2015 — Present

- Lead engineer for new product introduction to the factory, making up over 25% of yearly sales
- Taught 4-12 person training sessions in lean manufacturing, leading to factory's Six Sigma certification
- Mechanical design of jigs, fixtures, multi-model assembly benches, value streams, fabrication cells
- Cost saving initiatives exceeding \$170k/year, reduced cardboard waste by over 1 000 000ft²/year
- Meticulous standard work documentation lead to 99% on time delivery, reduced defects to negligible levels

Engineer Laboratory Technician

UBC Engineering Earthquake Research Facility 2013 — 2015

- Performed destructive earthquake shake-table tests to validate retrofit methods of protecting BC schools
- Installed early-warning earthquake sensors in schools which provides a [13-16 second earthquake warning](#)
- Performed destructive yield-analysis tests on metal trusses and strapping, concrete forms and walls

PROJECTS

BCS Hackathon 2019 — Haven March 2019

- Created a web application using Node, React to relay information on safe injection sites, shelters
- Incorporated a Firebase database to show real-time capacity updates for homeless shelters
- Programmed NSC tags to be distributed downtown for phone-tap access to web application

Tetris March 2019

- Recreated classic game in Java using a JFrame GUI, tested with JUnit testing
- Used JSON objects to save game data to disk, parsed JSON data to load state from file
- Introduced levels that increase difficulty, tracked scoring, incorporated music and sound effects

Flappy Bird February 2019

- Remade Flappy Bird in Java using a JFrame GUI. User dodges oncoming obstacles by jumping
- User saves high score and game state to disk, loads high score and game state by parsing text file

REFERENCES AVAILABLE UPON REQUEST

To: Jim Moloney (jim.moloney@signify.com)

From: Brent Hanover (brenthanover@gmail.com)

Date: April 5, 2019

Subject: Request for Reference Letter – Brent Hanover

Hi Jim,

I hope that this letter finds you well. I am in the middle of my second degree in Computer Science and am applying for several highly-contested internship positions. As my manager at Philips, I'm hoping that you would be able to write me a letter of reference. This would greatly improve my chances of making my application stand out from the rest.

Although you were the mechanical engineering manager and mentored my skills in mechanical and process design, many of the skills are directly transferable. All of the time and project management, waste elimination, and work standardization that I was taught will directly benefit me at the internship I am applying for.

I have attached a recent résumé, cover letter, and a copy of the job posting below. If you can supply me with a letter of reference, please let me know by next Friday, April 5, as applications for internships are already starting to appear online. If you have any questions, please feel free to email me at brenthanover@gmail.com.

Thank you for your time, and I look forward to hearing back from you.

Regards,

A handwritten signature in black ink, appearing to read 'Brent Hanover', with a stylized flourish at the end.

Brent Hanover

Enclosed: Résumé, cover letter, and job posting

To: Chris Campbell (chris.campbell@signify.com)

From: Brent Hanover (brenthanover@gmail.com)

Date: April 5, 2019

Subject: Request for Reference Letter – Brent Hanover

Hi Chris,

I hope that this letter finds you well. I am in the middle of my second degree in Computer Science and am applying for several highly-contested internship positions. As my manager at Philips, I'm hoping that you would be able to write me a letter of reference. This would greatly improve my chances of making my application stand out from the rest.

Although you were the research and development engineering manager and mentored my skills in mechanical and process design, many of the skills are directly transferable. All of the time and project management, waste elimination, and work standardization that I was taught will directly benefit me at the internship I am applying for.

I have attached a recent résumé, cover letter, and a copy of the job posting below. If you can supply me with a letter of reference, please let me know by next Friday, April 5, as applications for internships are already starting to appear online. If you have any questions, please feel free to email me at brenthanover@gmail.com.

Thank you for your time, and I look forward to hearing back from you.

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Brent Hanover

Enclosed: Résumé, cover letter, and job posting

To: Harald Schrempp (h.schrempp@ubc.ca)

From: Brent Hanover (brenthanover@gmail.com)

Date: April 5, 2019

Subject: Request for Reference Letter – Brent Hanover

Hi Harald,

I hope that this letter finds you well. I am in the middle of my second degree in Computer Science and am applying for several highly-contested internship positions. As my supervisor at the UBC Engineering Earthquake Research Facility, I'm hoping that you would be able to write me a letter of reference. This would greatly improve my chances of making my application stand out from the rest.

Although you were the laboratory manager and mentored my skills in mechanical design and experiment testing, many of the skills are directly transferable. All of the time and project management, waste elimination, and work standardization that I was taught will directly benefit me at the internship I am applying for.

I have attached a recent résumé, cover letter, and a copy of the job posting below. If you can supply me with a letter of reference, please let me know by next Friday, April 5, as applications for internships are already starting to appear online. If you have any questions, please feel free to email me at brenthanover@gmail.com.

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