

## **Software Engineer, Intern/Co-op**

### **Facebook**

Want to build new features and products that touch more than a billion people around the world? Want to build new features that improve existing products like Photos, Groups, NewsFeed, Search, and Messaging? Want to solve unique, large-scale, highly complex technical problems?

Our development cycle is extremely fast, and we've built tools to keep it that way. It's common to write code and have it running live on the site hours later. If you work for us you will make an impact, immediately.

Facebook is seeking interns/co-ops to join our engineering team. As a Software Engineer Intern, you'll drive the development of systems behind Facebook's products, create web applications that reach millions of people, build high volume servers and be a part of a team that's working to help connect people around the globe.

This internship/co-op has a minimum twelve (12) week duration.

### **Software Engineer, Intern/Co-op Responsibilities**

- Code high-volume software using primarily C++ and Java
- Create web applications using primarily PHP
- Implement web interfaces using XHTML, CSS, and JavaScript
- Build report interfaces and data feeds

### **Minimum Qualifications**

- 1 or more years of experience with perl, java, php, python, or c++
- Must be currently enrolled in a full-time, degree-seeking program and in the process of obtaining a Bachelors or Masters degree in Computer Science or a related field
- Must obtain work authorization in country of employment at the time of hire, and maintain ongoing work authorization during employment

### **Preferred Qualifications**

- Demonstrated software engineering experience from previous internship, work experience, coding competitions, or publications
- Intent to return to degree-program after the completion of the internship/co-op
- High levels of creativity and quick problem-solving capabilities

MLA Citation:

“Software Engineer, Intern/Co-Op.” Facebook Careers, 2020,  
[www.facebook.com/careers/jobs/654496918442526/](http://www.facebook.com/careers/jobs/654496918442526/).

Elton Kok  
2328 West Mall  
Vancouver, BC V6T 1Z4

December 8, 2020

University Software Engineering Hiring Manager  
Facebook, Inc.  
1 Hacker Way  
Menlo Park, CA 94025

Dear Software Engineering Hiring Manager,

Please consider my application for the Software Engineer Intern/Co-op position at Facebook as advertised on the Facebook careers job board. I hold a Bachelor of Science in Biochemistry and Human Biology from the University of Toronto. I am also currently a third-year student at the University of British Columbia completing a Bachelor's in Computer Science and expecting to graduate in January 2023. I was excited to see this position as I have enjoyed Facebook products throughout my life, and I am confident my software development skills will be a valuable asset to this position.

As a former undergraduate student at the University of Toronto, I developed a web application which redesigned a course website for an assignment. I used HTML, CSS, and JavaScript to create the front end and Python, Flask, and SQLite to create the back end. As a result of my strong technical skills in creating web applications, I was able to achieve a high mark on the assignment and received a compliment as "the best looking" website redesign.

As a computer science student, I am passionate about developing new software and expanding my technical skill set by participating in hackathons. In my first hackathon at TOHacks 2019, my team developed an application that showed nearby battery recycling locations using the Google Maps API. I was involved with developing the Python and SQLite back end of the application. I also recently participated in the Hack Western 2020 hackathon where I built a chrome extension that helped advertise local businesses. I also was involved with developing the NodeJS and MongoDB backend of the project and part of the front end. I thoroughly enjoyed my time creating these projects as they have helped me expand my technical skill set.

As a third-year student with demonstrated skill in developing web applications with HTML, CSS, JavaScript, and Python, I believe I am a well-suited candidate for the Software Engineer Intern/Co-op position. I would be pleased to meet with you to further discuss my skills at my email [kokelton@student.ubc.ca](mailto:kokelton@student.ubc.ca).

Thank you,



Elton Kok

# Elton Kok

✉ kokelton@student.ubc.ca ☎ 647 123 4567 📍 Vancouver, BC  
in linkedin.com/in/eltonkok 🌐 EltonK888.github.io 📄 github.com/EltonK888

## OBJECTIVE

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To secure an internship in a software development role at an innovative company where I can apply and grow my technical skills

## EDUCATION

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**Univeristy of British Columbia** **Vancouver, BC**  
*Bachelors of Computer Science (BCS), Third Year* *2020 – 2023 (expected)*

**University of Toronto** **Toronto, ON**  
*Honours Bachelors of Science in Biochemistry and Human Biology* *2014 – 2019*

- **Dean's List (2014 — 2019)** – Achieved a GPA of 3.50 or higher in most recent study term

## EXPERIENCE

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**Advanced Technician - QC Raw Materials** **Toronto, ON**  
*Sanofi Pasteur Limited* *September 2019 – September 2020*

- Performed inspection, verification, and labelling ion incoming raw materials to ensure their integrity before production use
- Sampled chemicals in grade C and D classified areas to provide testing material for QC labs in order to release raw materials for use in vaccine production
- Carried out Environmental Monitoring of classified areas using MAS units, Met-Ones, and streak plating to ensure bacterial/fungal/particle counts are within control

**Teaching Assistant – Introduction to Computer Science** **Toronto, ON**  
*University of Toronto* *September 2018 – May 2019*

- Co-lectured to a class of approximately **150 students** to teach computer science fundamentals using **Python**
- Hosted office hours to mentor students one on one, resulting in overall improvement in their grades
- Communicated with a team of TAs in meetings to provide feedback to the course instructor and help improve overall course content delivery

## PROJECTS

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**Flappy Bird AI** (📄 [github.com/EltonK8888/Flappy\\_Bird\\_AI](https://github.com/EltonK8888/Flappy_Bird_AI)) 2020

- Developed a clone of the popular game Flappy Bird using **Python's pygame** module and used Python NEAT library to create an AI that plays the game perfectly

**Battery Recycling Organization** (📄 [github.com/EltonK8888/TOHacks\\_2019\\_BRO](https://github.com/EltonK8888/TOHacks_2019_BRO)) 2019

- Developed a full-stack web application which shows users where the nearest battery recycling location is using **Python, Flask, HTML/CSS/JavaScript** and Google Maps API for the **TOHacks 2019** hackathon

**CSCB20 Website Redesign** (📄 [github.com/EltonK888/CSCB20\\_Redesign](https://github.com/EltonK888/CSCB20_Redesign)) 2019

- Redesigned and added functionality to the old CSCB20 website which includes logging in with different user types and submitting remark requests/instructor feedback using **Flask, SQLite, HTML, CSS, and JavaScript**

**Hacker News Clone** (📄 [github.com/EltonK888/hacker\\_news\\_clone](https://github.com/EltonK888/hacker_news_clone)) 2019

- Created a website that dynamically fetches top and new stories from the Hacker News API using **React** and **Bootstrap**

**Reminder Email Bot** (📄 [github.com/EltonK8888/reminder\\_email\\_bot](https://github.com/EltonK8888/reminder_email_bot)) 2019

- Developed a bot using **Python, GMail API, HTML/CSS, and AWS EC2** that emails members of the family gym plan to e-transfer the monthly amount to the payee

## TECHNICAL SKILLS

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- **Languages:** Python, C, JavaScript, Java, SQL, HTML, CSS, UNIX/BASH, MATLAB
- **Tools/Frameworks:** React, Bootstrap, Flask, SQLite, MongoDB, Node/Express.JS, AWS EC2, Git, UNIX/BASH, L<sup>A</sup>T<sub>E</sub>X

## References

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Available on request

Elton Kok  
2328 West Mall  
Vancouver, BC V6T 1Z4

December 8, 2020

Anya Tafliovich  
Associate Professor, University of Toronto Scarborough  
Department of Computer and Mathematical Sciences  
1265 Military Trail  
Toronto, ON M1C 1A4

Dear Dr. Tafliovich,

How is the semester coming along? I hope you are staying healthy and enjoying the online lecturing. I enjoyed my time working as a teaching assistant alongside your supervision. I am reaching out to you to ask for a reference for a position that I am applying for.

I am applying for the Software Engineer Intern/Co-op position at Facebook. This position is seeking for talented computer science students that have experience developing web applications using various languages such as Python. Having taught an introductory course in Python alongside your supervision, I believe you can attest to my skill in this language and would be a strong reference for me.

Your reference would be of utmost value as a computer science professor at a world class educational institution. Please let me know if you are willing to provide a reference letter for this opportunity. If you have any questions, feel free to email me at [kokelton@student.ubc.ca](mailto:kokelton@student.ubc.ca). I have attached my resume for your reference.

All the best,

A handwritten signature in black ink that reads "Elton". The script is cursive and fluid.

Elton Kok

Elton Kok  
2328 West Mall  
Vancouver, BC V6T 1Z4

December 8, 2020

Rene Harrison  
Professor, University of Toronto Scarborough  
Department of Biological Sciences  
1265 Military Trail  
Toronto, ON M1C 1A4

Dear Dr. Harrison,

How is the semester coming along? I hope you are staying healthy and enjoying the online lecturing. I enjoyed my time working as a research assistant alongside your supervision. I am reaching out to you to ask for a reference for a position that I am applying for.

I am applying for the Software Engineer Intern/Co-op position at Facebook. This position is seeking for talented computer science students that have experience developing web applications using various languages such as Python. Having assisted your graduate students in their research projects, I believe you can attest to my work habits and would be a strong reference for me.

Your reference would be of utmost value as a professor at a world class educational institution. Please let me know if you are willing to provide a reference letter for this opportunity. If you have any questions, feel free to email me at kokelton@student.ubc.ca. I have attached my resume for your reference.

All the best,

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

Elton Kok

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2328 West Mall  
Vancouver, BC V6T 1Z4

December 8, 2020

Siemon Ng  
Department Head, Sanofi Pasteur  
Analytical Research and Development  
1755 Steeles Ave W  
North York, ON M2R 3T4

Dear Mr. Ng,

I hope you are staying healthy and the new vaccine projects are coming along as scheduled. I enjoyed my time working in the research and development department as a co-op student. I am reaching out to you to ask for a reference for a position that I am applying for.

I am applying for the Software Engineer Intern/Co-op position at Facebook. This position is seeking for talented computer science students that have experience developing web applications using various languages such as Python. Having assisted in setting up the Geneious software for the unix based system, I believe you can attest to my unix and computer skills and would be a strong reference for me.

Your reference would be of utmost value as a department head at the vaccine division of a global healthcare company. Please let me know if you are willing to provide a reference letter for this opportunity. If you have any questions, feel free to email me at kokelton@student.ubc.ca. I have attached my resume for your reference.

All the best,

A handwritten signature in black ink that reads "Elton". The script is cursive and fluid.

Elton Kok