



optimize your co-op search and get that 🍞

Jeffrey Leung

Amazon Software Developer (October 2021 - Present)

SAP Tech. Project Coordinator Intern (2020)

Samsung Back-end Developer Intern (2017)

SFU Software Systems (2014 - 2021)

TABLE OF CONTENTS

01

ABOUT ME

02

GET THE INTERVIEW

03

GET THE OFFER

04

GET INTO FAANG

05

EVERYTHING ELSE

06

QUESTIONS

01

ABOUT ME



How do you get into a good co-op?

1. Get the interview

2. Get the offer

02.1

GET THE INTERVIEW: IMPROVE YOUR RESUME

- 1 page for large companies,
2 pages for small/medium
- Section them like the following:



Jeffrey Leung

[Details](#)

Skills

Work Experience

Projects and Hackathons (OR Extracurriculars)

Education

02.1

GET THE INTERVIEW: IMPROVE YOUR RESUME

- **Differentiator:** Write accomplishment statements to emphasize business impact/value
 - Achieved **IMPACT/METRIC** by doing **ACTION** which resulted in **OUTCOME**
 - E.g. Significantly increased reliability and testability by migrating to JUnit which sped up unit test execution by 30%
- Tailor to each position



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WORK EXPERIENCE

SAP Technical Project Coordinator | May 2020 - Present

- Increase **distributed application scalability** by maintaining a dev team as Scrum Master, building a Kubernetes platform to autoscale databases and services
- Maximize product quality and stakeholder communication by organizing critical & thorough design and architecture feature reviews
- Coordinate **cross-functional agile infrastructure** teams building Analytics Cloud, a complex multi-tiered data and analytics product

Samsung Agile Back-End Engineer Co-op | May 2016 - April 2017

- Implemented a heavily used Java infrastructure server to enable partner integration for Samsung Pay mobile payments
- Ensured **exceptional product quality** by building a new Spring Boot REST API server to enable exhaustive functional, integration, and load testing
- Created a **30% increase in testing speed** by mocking all external dependencies using Mockito to ensure stability

PROJECTS AND HACKATHONS

nwHacks 2020 (2nd place): [Disaster Relief](#) | January 2020

- As **Team Lead and Software Architect**, I built an Android app mesh network to automatically share disaster data without cell service
- Designed a communication agent for Nearby Connections and (de)serialization
- Placed **2nd** out of 145 teams and 769 hackers in a renowned hackathon

[Feeding Our Frontlines](#) | May 2020 - July 2020

- As **Technical Lead**, I recruited and led a team of developers to manage the frontpage of an initiative to support local healthcare workers & restaurants during COVID
- Significantly increased site performance by strategically prioritizing developer tasks for efficiency and effectiveness

[Cradle Health Care System](#) | September - December 2019

- As **Software Developer and UI Designer**, I developed the client-selected and deployed version of a technological health system for Ugandan villages
- Earned praise from the clients for successful product delivery, and redesigning web and mobile interfaces for cohesive branding

LEADERSHIP

SFU Surge Founder & Co-President | May 2019 - April 2020

- Innovative student tech community which creates professional development events, resources, and workshops and empowers technical experiential learning
- Generated over 250 signups through delivering a shared vision of a **fast-paced, high-impact organization launch**, by recruiting and **leading 20 execs**
- Led 8 teams to ideate and create multi-disciplinary technical projects

EDUCATION

Simon Fraser University

Graduating April 2021

BSc. Computing Science

Certificate in Innovation and Entrepreneurship

CGPA 3.98 | CS GPA 4.0

TECHNICAL SKILLSET

LANGUAGES

Java (Maven, JUnit, Mockito)
Python
C++/C

HARD SKILLS

Object-Oriented Design
Full-stack web development:
Node/Express, Webpack, Spring
Deployment: AWS/Google Cloud
Platform/Heroku/Kubernetes
Databases: MySQL, Redis

TOOLS

Git/GitHub, Linux, Shell/Bash

HACKATHON PRO

- Competed in 7
- **Finalist in 2 (2nd and 4th place)**
- Mentored 2
- Given a tech talk
- Judged intermediates & finalists

SOFT SKILLS

- Passionate & motivated teammate
- Analytical problem solver
- Interpersonal cross-team leader
- Community engager

PERSONAL INTERESTS

- Playing badminton
- Running live audio engineering
- Part-time movie buff
- Typesetting unnecessarily lengthy documents in LaTeX

02.2

GET THE INTERVIEW: IMPROVE YOUR COVER LETTER

- Convey enthusiasm about the vision
- Use ChatGPT if you like
- **Differentiator:** Get feedback



GET THE INTERVIEW: NO EXPERIENCE?



02.3

GET THE INTERVIEW: NO EXPERIENCE?

- Personal/group projects
- Hackathons (with a familiar or new tech)
- Do a startup
- Join organizations
- **Differentiator:** Aim for impact



02.3

GET THE INTERVIEW: NO EXPERIENCE?

PROJECT IDEAS

- Implement data structures and algorithms
- Chrome extension that changes something on the webpage
- Android/iOS app that does something convenient
- Website with a messaging functionality
- Unity and C++ game
- Website with an SFU course planner
- AI - generate content from samples
- Data analysis and visualization
- Robotics and electronics
- Accessibility tool - what's a disability or struggle that isn't solved?
- Anything else - smart or stupid!

02.4

GET THE INTERVIEW: APPLYING

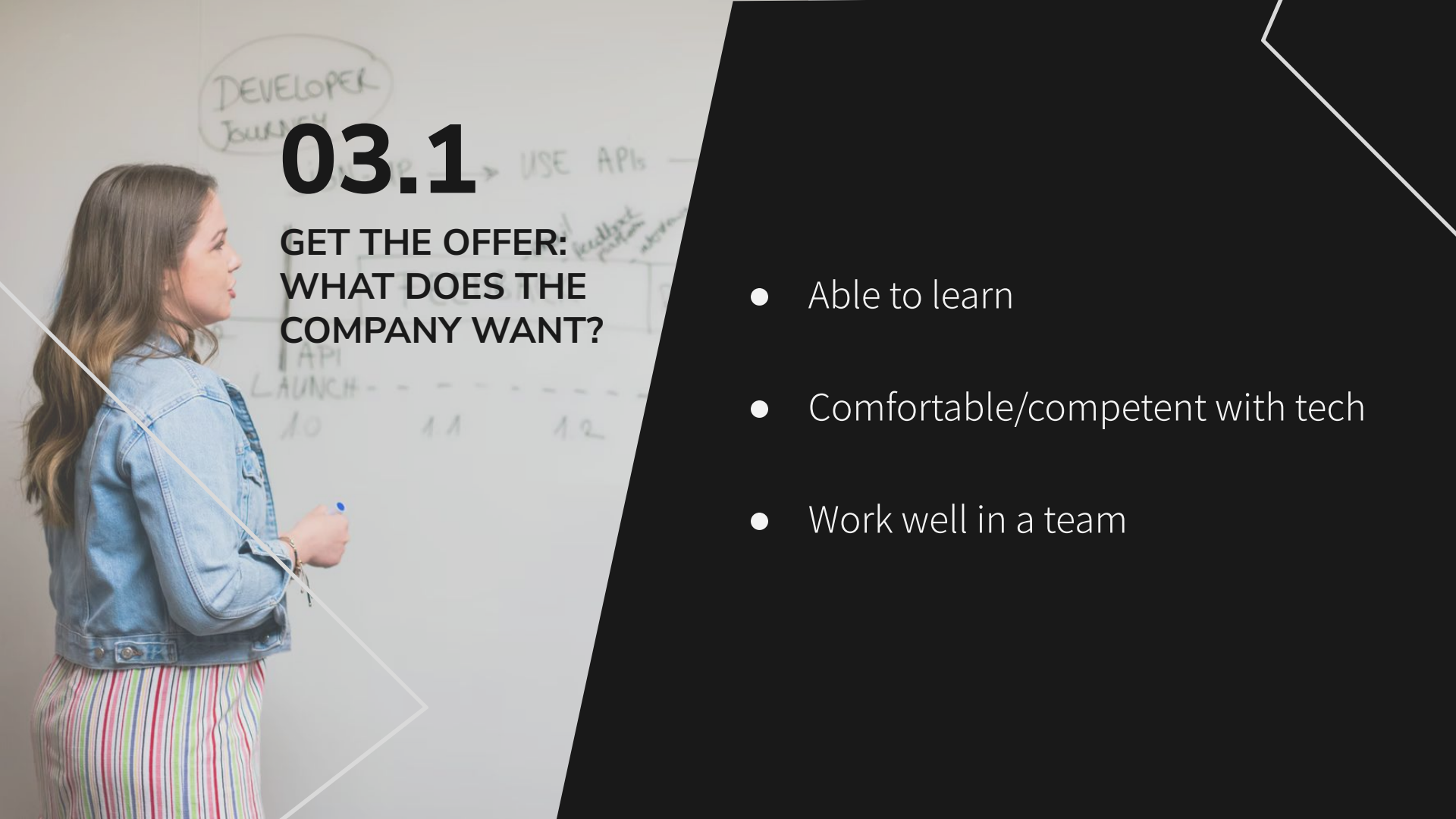
Okay: MyExperience, job sites (e.g. LinkedIn)

Good: Company websites

Great: Referrals

Differentiator: Networking at career fairs





03.1

**GET THE OFFER:
WHAT DOES THE
COMPANY WANT?**

- Able to learn
- Comfortable/competent with tech
- Work well in a team

A blurred background image showing a man and a woman in an office setting, likely during an interview. The man is on the left, looking towards the right, and the woman is on the right, seen from the back. The image is partially obscured by a dark diagonal overlay on the right side.

03.2

GET THE OFFER: INTERVIEW STRUCTURE

Behavioural Questions (5-20 minutes)

Technical Questions (20-40 minutes)



03.3

GET THE OFFER: PREPPING BEHAVIOURAL

- **Differentiators:**

- Tell me about yourself
- *ENTHUSIASM*
- Prep examples for situational questions


- Mock interviews with friends



03.4

GET THE OFFER: PREPPING TECHNICAL

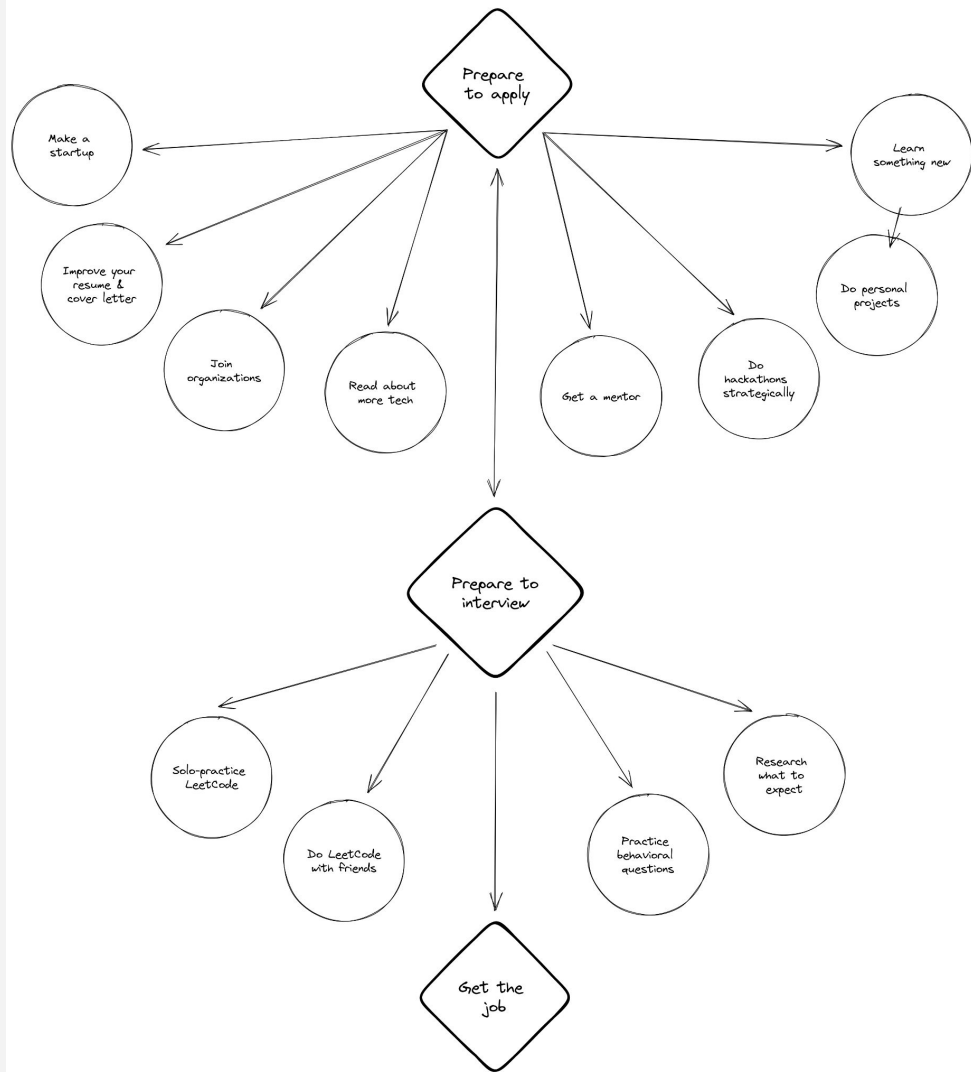
- LeetCode/NeetCode
- GeeksForGeeks
- HackerRank
- TopCoder
- GlassDoor
- Google search interview questions for the position
- **Differentiator:** Reach out to people in that position



03.5

GET THE OFFER: TECH. INTERVIEW SOLUTION

- 1. Investigate.**
Ask clarifying questions. Define the input/outputs. Suggest constraints. Discuss obvious edge cases.
- 2. Brute-force it.**
Suggest the obvious answer. Solve as if solving manually. Explain and code-comment your solution. Draw whiteboard diagrams if available.
- 3. Calculate Complexity.**
How much **time** does each line take? What's the $O(n)$?
How much **space** is needed?
- 4. Optimize.**
Pinpoint the heaviest operations. Eliminate duplicated effort. Use data structures to speed up saving/retrieval. Write down the new time and space complexity.
- 5. Code.**
Code alongside your comments. Write simple, readable, and maintainable code. Mention edge cases.
- 6. Test and Verify.**
List and check all possible edge cases. Walk through the code with a sample input to verify output.



04.1

FAANG: THE BIG COMPANIES

Facebook

Amazon

Apple

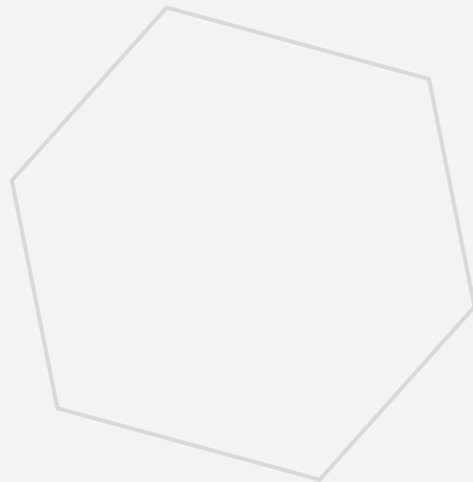
Netflix

Google

(+ Microsoft and more)



Why?



04.1

FAANG: THE BIG COMPANIES

Facebook

Amazon

Apple

Netflix

Google

(+ Microsoft and more)



Why?

- Brand
- Pay
- Tech experience

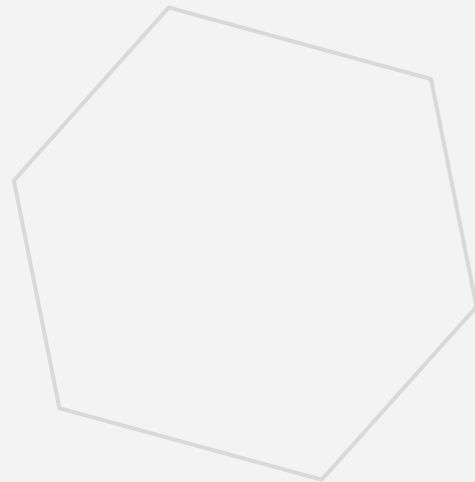
Are you “good enough”?



04.2

FAANG

APPLICATION TIMELINE



04.2

FAANG

APPLICATION TIMELINE



04.3

FAANG: APPLICATIONS



Phase 1: Application

Phase 2: 1-1 screening or
online assessment

Phase 3: 4 consecutive
rounds of behavioral &
technical interviews

04.4

FAANG: INTERVIEWS



Interviews

45 minutes:

- 1-2 behavioural questions
- 1 technical question

15 minute break

Repeat (total 3-4x)

04.5

FAANG



Differentiators

- Ambitious, impactful, or unique experience
- Great at technical interviews
- Be lucky

05

EVERYTHING ELSE

- What about school?
- Recession can u not
- If you want to succeed,
do whatever you have to do to get there



How do you get into a good co-op?

1. Get the interview

2. Get the offer



QUESTIONS?

RESOURCES & CONTACT

RESOURCES

[Cracking the Coding Interview](#): Learn to do coding interviews

[LeetCode](#): Coding practice questions

[NeetCode](#): Guided LeetCode

[Work at Google — Example Coding/Engineering Interview](#)

Steven Zhang - [Landed 18+ Software Engineer Offers](#)

[Getting a 230k Offer as a DE with 1 YOE](#)

ONLINE COMMUNITIES

Reddit:

[Computing Science](#)

[CS Career Questions](#)

[Programming](#)

[Hacker News](#)

[Nova - Software Engineering](#)

INTERVIEWING AT FAANG

[How to Get a Job at the Big 4](#) by SJ Tech

[DanHacks: How To Get Hired into a FAANG Company](#)

[Alexander Nguyen: How I got into Amazon/Microsoft/Google](#)

BLOGS/NEWSLETTERS

[The Pragmatic Engineer](#)

[Quastor](#)

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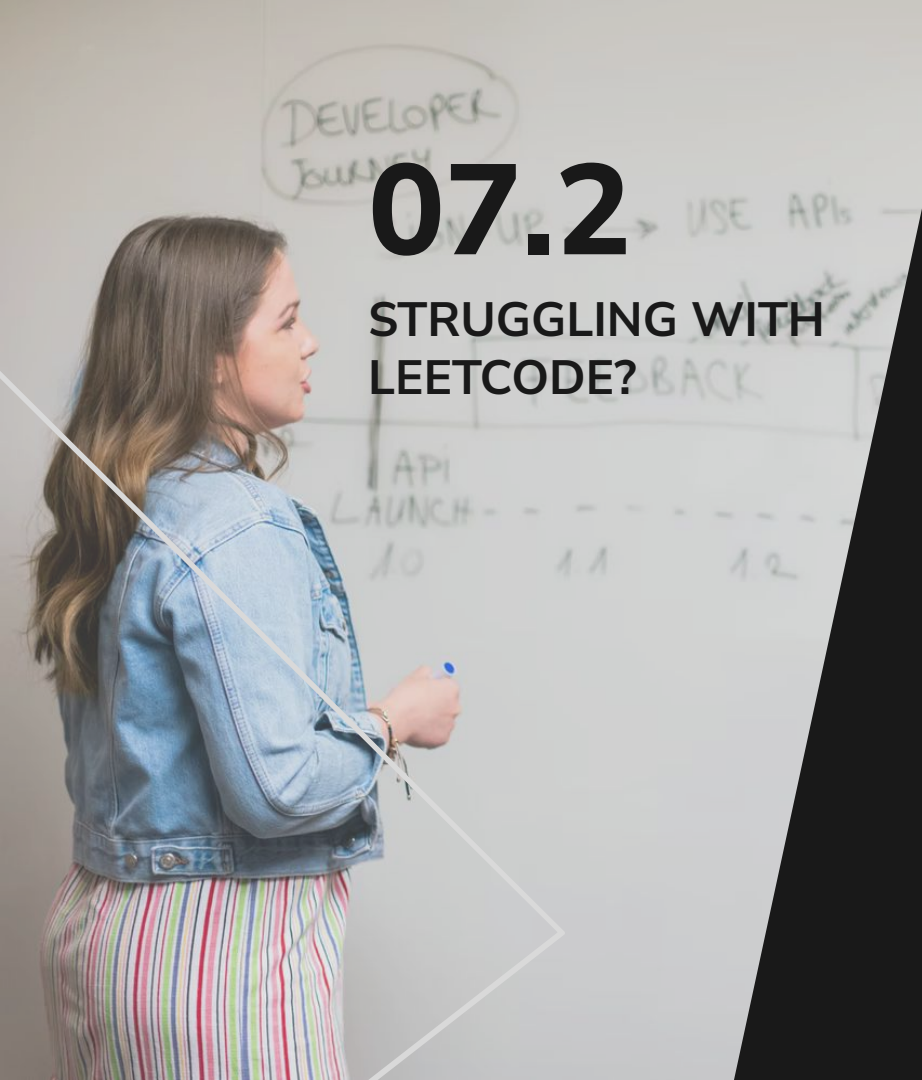
[Facebook](#)

07.1

SUCCEED IN A CO-OP

- Ask questions non-stop
- Learn as much as possible
- **Differentiator:** First week meetings
- Identify work with real impact/value.
Join or shadow.
- Network and connect with coworkers





07.2

STRUGGLING WITH LEETCODE?

- Start with LeetCode **EASY** questions
- Don't read answers until you have been stuck for 10+ minutes
- Read sample answers from the Discussions tab
- Go back to easier questions
- Save questions you could not solve by yourself, and revisit them in future