

Attaining Technical Excellence: Make Top Tech Companies Hire You

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Amazon**

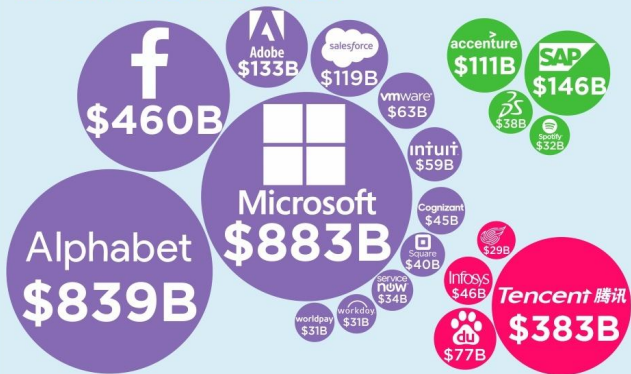
What?



The World's Tech Giants 2018

Top 50 Companies by Market Cap (in Q3 2018)

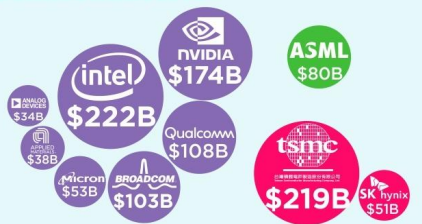
IT Software & Services



Technology Hardware & Equipment



Semiconductors



Media



Retailing



Note: Market Cap. as of Oct 2, 2018

Article & Sources:
<https://howmuch.net/articles/the-world-tech-giants>
<https://finance.yahoo.com/>

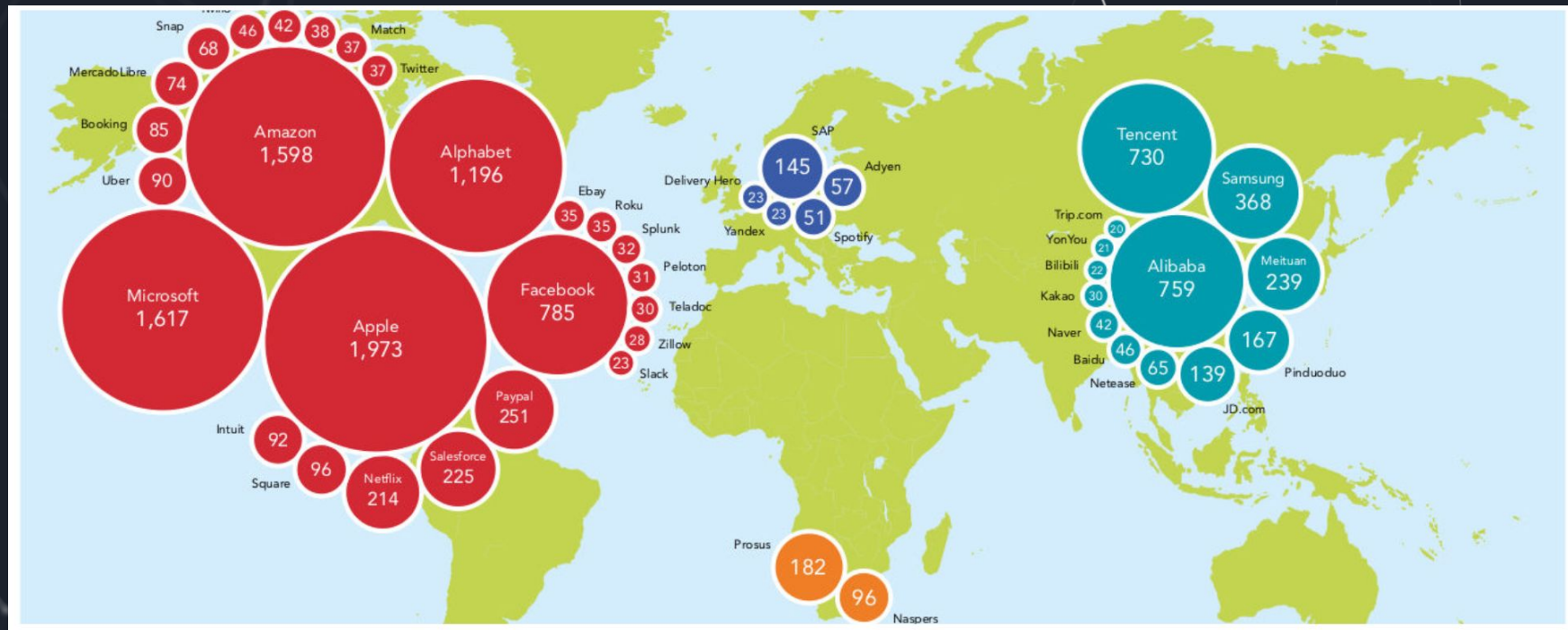
Tech Companies by Region

Europe North America Africa
Asia Middle East

howmuch.net

- FAANG
- FAANGMULA

Where?



Why?

- Learning opportunities
- Career growth
- Excellent peers
- Working with latest tech
- Reputation
- Large scale impact
- And...



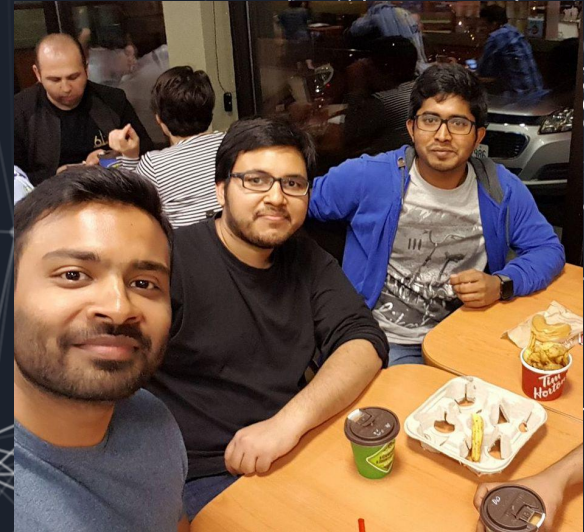


How?

- How to prepare from now?
- How to get recruiters attention?
- How to crack the interviews?

My time in IUT

- Joined 2009 and graduated in 2012
- IUTians joined FAANG: 0
- IUTians joined top tech companies: ~20



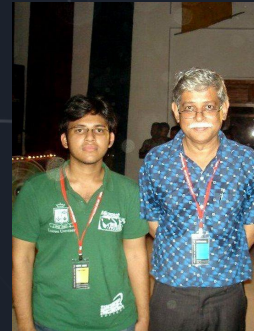
Today

- IUTians in FAANG: ~15
- IUTians joined top tech companies: >100



My Journey

- IUT (2009 - 2012)
 - Participated in NCPC/ICPC
 - ICPC Dhaka regional 2010-2011
- Samsung R&D Institute (2012 - 2014)
- Western University (2014 - 2015)
 - MS (Image Processing)
- Amazon (2016 - Present)



The background of the slide is a dark blue-grey color. It is decorated with a complex, abstract pattern of thin white lines and small white dots. These lines and dots form a network of interconnected geometric shapes, primarily triangles and quadrilaterals, creating a sense of depth and complexity. The pattern is more dense on the right side of the slide and more sparse on the left.

Step by step guidelines

Year 2-3 at IUT

- Algorithms and DS (Course)
- Problem solving in online platforms
- Participate in contests (online/onsite)
- Projects (Upload to GitHub)
- Develop creative projects!!
- Get fluent in Linux



Why competitive programming?

- Improves problem solving skills
- Develops logical thinking
- Reduce fear of handling complexities
- Adds resume value



Final Year at IUT

- Take thesis seriously !!!



Final Year at IUT

- Comparatively hard to get directly into these companies from BD
 - Visa regulations / Nationality prioritization
- If you are already in those countries, then its easier
- Apply for MS/PhD



Prepare for MS/PhD

- Publish 1 or 2 papers
 - Target conferences first
 - Extend and submit to a journal
- Sit for GRE/IELTS exams
- Email professors (100s of them)
- Get a job here
 - Enhances profile
 - Adds country tie

FAQ

Q: I didn't get the thesis topic that I liked / couldn't publish a paper / I have a low CGPA but I want to apply for MS/PhD. What can I do to improve my profile?

Apply for visa

- Getting Canadian visa is equally hard as getting admission
- Follow step by step guides provided in their websites
- Don't submit fraudulent documents
- Apply by yourself instead of going through agency

During MS/PhD

- Apply for internship
 - Start applying at least 6 months before graduation
- Apply for full-time at the same time
- Improve Resume and Linkedin profile
 - Side projects (github)
 - 1 page resume (recommended)
 - Quantitative results
 - Your contribution to projects (Tech term)
 - Review resume by others
- Connect with recruiters / existing employee using linkedin

Interview preparations

- LeetCode medium/hard problems
- Read books
 - [Elements of Programming Interview](#)
 - Cracking the coding interview
- Mock interviews with peers (Pramp, Interviewing.io)
 - Existing FAANG employees
- Develop communication skills
- Practice, practice, practice

FAQ

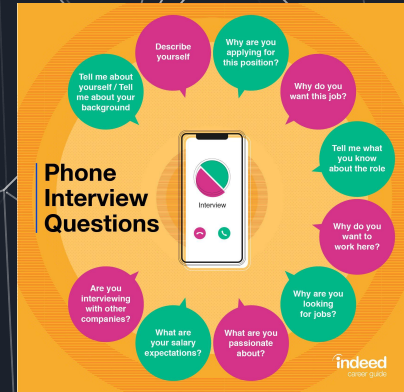
Q: I don't like competitive programming but I do a lot of software development and have strong system design knowledge. Aren't this enough for the tech companies?

FAQ

Q: I don't like competitive programming but I am pretty good at machine learning (Deep learning). Aren't this enough for the tech companies as research position?

Interview steps

- Phone screen with recruiter
 - Discuss background (update resume, add key/buzz words)
 - Discuss job description
 - Fit to the role
- Online assessment
 - Technical problem (online)
 - clean code and comments
 - Behavioral scenarios
- Technical phone interview
 - Coding problem
 - Behavioral questions
- Onsite interview
- ** Every step is equally important



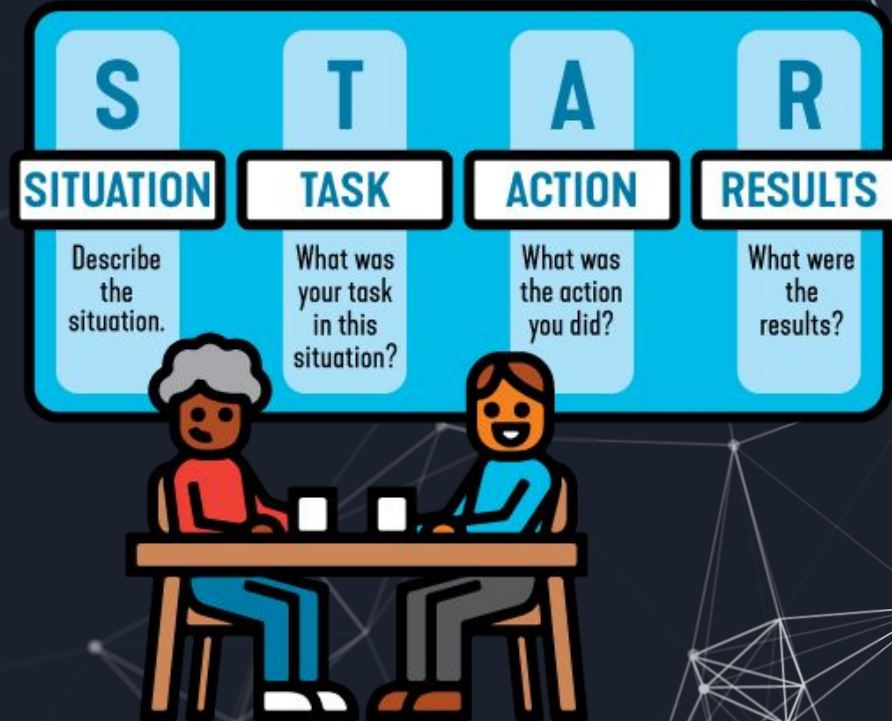
Onsite interview

- Data structures and Algorithms
 - Runtime and space complexity
- Logical and maintainable
 - OOP concept
 - Interface / inheritance
- Problem solving
 - First come with a solution
 - Discuss optimization after that

- System design
 - Scalability
 - Latency
 - Call volume
 - Authentication
 - Synchronous/Async



Behavioral Questions



Current vacancies

amazon jobs INTERNAL

Software Development

Amazon is offering teams more flexibility on where to work. [Read more](#)

Filter by

Level 4 to Level 5

HIRING MANAGER

Filter by Hiring Manager

LOCATIONS

Location

RELOCATION AVAILABLE?

International external candidate (8821) ☒

Domestic external candidate (8690) ☐

Reset

Google Careers

Teams Locations Benefits **Jobs** Students

3159 jobs matched

What do you want to do? Clear filters

Software

Software Engineering

Google In-office: Taipei Taiwan

Qualifications:

- Currently pursuing a Bachelor's degree in Computer Science or related field

San Francisco, London, Michigan

Software Development Engineer (L5)

United Kingdom, London | Job ID: 1862954

Resources

Problem Solving:

- <https://leetcode.com/>
- <https://www.hackerrank.com/>
- <https://www.crackingthecodinginterview.com/>
- [Elements of Programming Interview\(Book\)](#)

Mock Interview:

- <https://interviewing.io/>
- <https://www.pramp.com/>

System Design:

- <https://www.educative.io/courses/grokking-the-system-design-interview>
- <https://www.algoexpert.io/systems/fundamentals>
- Youtube videos

Behavioral Questions:

- <https://www.levels.fyi/blog/amazon-leadership-principles.html>
- <https://managementconsulted.com/amazon-leadership-principles/>
- <https://blog.dayone.careers/amazon-interview-questions/>

