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| [stack overflow developer survey 2020](https://insights.stackoverflow.com/survey/2020) | [contribute/feedback](https://forms.gle/nHTyhW7S9DuvpYG17) |

**Jobs:**

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| COVID-19:  - 🦠 [companies hiring during COVID19](https://docs.google.com/spreadsheets/d/1aagqVFdehXcd55cwFdx7HwduFbShNnb8wHfqOJSxbTA/edit?usp=sharing)  - 🦠 [100 developer jobs--companies still hiring amid the coronavirus outbreak](https://dev.to/dabit3/100-developer-jobs-companies-still-hiring-amid-the-coronavirus-crisis-58o8)  - 🦠 [two students will send you a list of active remote internships on request (linkedin)](https://www.linkedin.com/posts/akshayadinesh_airtable-organize-anything-you-can-imagine-activity-6647975714538700800-zy1h)  - 🦠 internship cancelled? then check out [IBM's $200k Call for Code Challenge](https://developer.ibm.com/callforcode/)  - 🦠 [qualcomm is hiring for new grads and interns](https://www.reddit.com/r/cscareerquestions/comments/fobyaj/for_those_of_you_who_got_your_internships/)  - 🦠 [internship status (cancelled vs not cancelled)](https://github.com/gcreddy42/hiring2020)  - 🦠 [list of links to remote dev jobs](https://dev.to/colinmtech/how-i-find-six-figure-remote-software-developer-jobs-23jd), [list](https://dev.to/albertoroldanq/remote-jobs-sites-4hbf), [list](https://dev.to/bironclark/resources-for-finding-remote-jobs-1jok), [bigger list](https://dev.to/gennovacap/100-places-to-find-freelance-and-remote-web-developer-jobs-51c0), [list](https://www.reddit.com/r/cscareerquestions/comments/ftzr4u/9_remote_job_boards_that_might_help/)  - 🦠 [remote-friendly companies (github)](https://github.com/remoteintech/remote-jobs)  - 🦠 [>1500 remote jobs from >100 companies spreadsheet](https://docs.google.com/spreadsheets/u/1/d/1M-8J7z605dcPhUjYfyiKVxuci0e4AWsDLo_tvs19C5M/htmlview)  - 🦠 [startups hiring through COVID19 (mainly AUS)](https://docs.google.com/spreadsheets/d/1nHDMTU3ynRUtweuelz6hYgeDIccoZjRGe7HMGNEOQWU/edit?usp=sharing), [article](https://medium.com/airtree-venture/startups-hiring-through-covid-19-open-source-list-8b5afa1e9e4d)  - 🦠 [>1000 crowdsourced jobs from candor](https://candor.co/hiring-freezes/)  - 🦠 jumpstart is sharing profiles with companies still hiring interns (post in [website](https://jumpstart.me) - account required)  - 🦠 [ismyinternshipcancelled (also shows internships not cancelled)](https://ismyinternshipcancelled.com)  - 🦠 [covintern (also has pm, design, ds, market, gov)](https://covintern.com/jobs/)  - 🦠 [coda.io companies still hiring (general)](https://coda.io/@kenny/companies-still-hiring)  - 🦠 [arc.dev compilation of virtual events for developers (well, events for anyone in tech really)](https://arc.dev/virtual-events)  - 🦠 [hn who’s hiring--special early post due to coronavirus](https://news.ycombinator.com/item?id=22665398)  - 🦠 [hn who’s hiring april](https://news.ycombinator.com/item?id=22749308) (protip: search keywords e.g. “intern” “interns”, remember to click “more” at bottom)  - 🦠 [cloudflare pledges to double intern count](https://techcrunch.com/2020/04/02/cloudflare-ceo-pledges-to-double-2020-internship-class/) ([job site](https://www.cloudflare.com/careers/jobs/))  - 🦠 [roblox is expanding their internship program](https://www.linkedin.com/posts/kip-turner_roblox-has-decided-to-expand-the-intern-program-activity-6651916576352284672-LChC) ([job site](https://corp.roblox.com/careers/))  - 🦠 [ycombinator work at a startup](https://www.workatastartup.com/) ([twitter](https://twitter.com/ycombinator))  - 🦠🍪 [talentboard.io](https://talentboard.io/)  - 🦠🧸 [wonsulting job board (plus a ton of resources)](https://docs.google.com/spreadsheets/d/1WFZtL7cOzUCCvETRKb21QPDz8hMtPEvNehujZ0jTvLw/edit?usp=sharing)  - 🦠 [small list provided by cloudflare](https://docs.google.com/spreadsheets/d/1fpKTGuE03E6Xdq75QQ6gck_CY1pVfdcsC59PCIrKxxc/edit#gid=0), [virtual mentorship program sign-up](https://docs.google.com/forms/d/e/1FAIpQLSdL4loduOXgowh8wKQLnYlKti-90dCS0hGnLfDMHiFDh5MD3A/viewform), [(original JS post)](https://jumpstart.me/forum/post/cloudfare-not-all-rejection-email-are-equal-did-you-anyone-get-it-10000-applicants)  - 🦠 [layoffs list](https://layoffs.fyi/), (job boards: [lime](https://docs.google.com/spreadsheets/d/1h8LVedkrIPQCb_Rq_PlTinedy6CRzMTBBV2aa4AUouc/edit#gid=0), [lyft](https://docs.google.com/spreadsheets/d/1k3IW_qrwW02widDcfdXIL0PHt5pwN-IaQkUMYIhKpWU/edit#gid=1318698219) ← good mini-list of lists, [uber](https://coda.io/@kenny/uber-layoff-list/hiring-resources-14))  my faves:  - >1800 companies: [choosemars' list](https://docs.google.com/spreadsheets/d/1TrPJt4g2q7NIP0FDMqx-iewHXVQZHWEzXPvt2DJqp2g/edit?usp=sharing)  - >600 companies: [hiring without whiteboards](https://github.com/poteto/hiring-without-whiteboards) ([airtable sheet](https://airtable.com/shr3eGPDm3wGjT2gA) with locations and keywords)  - >400 companies: [easy application process](https://github.com/j-delaney/easy-application)  - finding interesting, high-potential startups: [breakout list](https://breakoutlist.com/all/)  - updated monthly, search for keywords (e.g. “intern”): [hacker news who's hiring (mar)](https://news.ycombinator.com/item?id=22465476)  - salary sharing: [levels.fyi](https://www.levels.fyi/) |

- search GitHub for [jobs](https://github.com/search?q=internships) (similarly for [interview prep](https://docs.google.com/document/d/1oPs9cE5JPPF6o8ftUbk7WqGN7iqzeTEUwvRjldX0dco/edit?usp=sharing)):

* [hiring without whiteboards](https://github.com/poteto/hiring-without-whiteboards)
* [easy application](https://github.com/j-delaney/easy-application)
* [internships](https://github.com/Zackhardtoname/internships)
* [summer 2019 internships](https://github.com/christine-hu/summer-2019-internships)
* [summer 2020 internships](https://github.com/elaine-zheng/summer2020internships)
* [summer 2020 internships (canada)](https://github.com/ChrisDryden/Canadian-Tech-Internships-Summer-2020)
* 🔥 [summer 2021 internships](https://github.com/Pitt-CSC/Summer2021-Internships/blob/master/README.md)

- 1st/2nd yrs: [facebook uni](https://www.facebook.com/careers/students-and-grads/students), [google step](https://careers.google.com/jobs/results/?company=Google&company=YouTube&employment_type=INTERN&jlo=en_US&q=STEP&src=Online%2FTOPS%2FTOPS_site&utm_campaign=STEP&utm_medium=site&utm_source=TOPS), [msft explore](https://careers.microsoft.com/students/us/en/usexploremicrosoftprogram), [amazon (apply in highschool)](https://www.amazon.jobs/en/landing_pages/amazonfutureengineer), [pinterest engage](https://www.pinterestcareers.com/jobs/pinterest-engage-scholars-program-san-francisco-california-united-states)

- other programs: [google soc](https://summerofcode.withgoogle.com/), [twitter academy](https://twitterudiversity.splashthat.com/), [msft garage](https://mcec.microsoft.ca/internships/), [mozilla fix-the-internet](https://builders.mozilla.community/springlab/index.html)

- web apps: [intern.supply](https://intern.supply/), [apply.fyi](https://apply.fyi/), [newgrad.tech](https://www.newgrad.tech/)**,** [bigoofn](https://www.bigoofn.com/search)

- [stackoverflow](https://stackoverflow.com/jobs),[crunchboard](https://www.crunchboard.com/),[codepen](https://codepen.io/jobs/), [dice](https://www.dice.com/jobs), [authentic](https://authenticjobs.com/), [github](https://jobs.github.com/positions), [venture loop](https://www.ventureloop.com/ventureloop/home.php), [yc work at a startup](https://www.workatastartup.com/),[dice](https://www.dice.com/)

-[u/ChooseMars'](https://www.reddit.com/r/cscareerquestions/comments/ezj0sj/comment/fh3dqpv) [spreadsheet of >1800 companies](https://docs.google.com/spreadsheets/d/1TrPJt4g2q7NIP0FDMqx-iewHXVQZHWEzXPvt2DJqp2g/edit?usp=sharing)

- salaries: [levels.fyi](https://www.levels.fyi/) (also has small job list), [new grad salaries in Canada (2017-18)](https://www.linkedin.com/pulse/canada-new-grad-offers-2017-2018-bo-peng/) by Bo Peng

- high-growth, high-potential companies: [breakout list](https://breakoutlist.com/all/) (also: [career guide 1](https://breakoutlist.com/career-planning/), [career guide 2](https://pmarchive.com/guide_to_personal_productivity.html))

- Wealthfront’s version of breakout list: [wealthfront list](https://blog.wealthfront.com/career-launching-companies-list/)

- Canada’s version of breakout list: [narwhal list](https://narwhalproject.org/narwhal-list/)

- [Angela’s awesome guide](https://docs.google.com/document/d/1Kwddh6e6FvVEKdlYcX6Yv2ax1t92FZ3r3030OJux0X0/mobilebasic#heading=h.arnt3uaks27w) (includes non-cs internships)

- [web app for YC Who’s Hiring](https://kennytilton.github.io/whoishiring/) (who’s hiring [feb](https://news.ycombinator.com/item?id=22225314) [mar](https://news.ycombinator.com/item?id=22465476) [apr](https://news.ycombinator.com/item?id=22749308)… search for the rest yourself)

- [angel.co](https://angel.co/) (startups, be sure to vet the companies carefully)

- look for province/state specific company lists: [bc tech companies](https://www.bctechbase.com/#/dashboard)

- design: [behance](https://www.behance.net/joblist), [dribble](https://dribbble.com/jobs), [olivia truong’s product designer starter kit](https://docs.google.com/document/d/15PkJm4uJmaK5ehOoW0TnTaOVgDh9BJwOgpv9mYvBPpE/edit)

- try looking at portfolios of VC companies:

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| * [Andreessen Horowitz](https://a16z.com/portfolio/) * [Kleiner Perkins](https://www.kleinerperkins.com/partnerships/) ([fellowship program](https://fellows.kleinerperkins.com/about)) * [Sequoia Capital](https://www.sequoiacap.com/companies/) * [Greylock Partners](https://www.greylock.com/greylock-companies/) * [Khosla Ventures](https://www.khoslaventures.com/portfolio/all-companies) * [Google Ventures](https://www.gv.com/portfolio/) | * [Baidu Ventures](https://bv.ai/en/) * [GCV Capital](https://www.ggvc.com/companies/) * [Accel Partners](https://www.accel.com/companies) * [SoftBank](https://visionfund.com/portfolio) * [First Round Capital](https://firstround.com/companies/) * [Founder Collective](https://www.foundercollective.com/collective) |

- [crunchbase](https://www.crunchbase.com/) and [cbinsights](https://www.cbinsights.com/) are market intel platforms that provide useful breakdowns by industry e.g. healthcare, logistics; look for premium access through your uni

- for super smart math/stats/cs ppl interested in making💰fat💰stacks💰in💰quant:

* [career primer (2011) by max dama (taught quant at berkeley)](http://isomorphisms.sdf.org/maxdama.pdf)
* [quora list (maybe not the best, look elsewhere too)](https://www.quora.com/What-are-the-best-quant-hedge-funds)
* [jane street puzzles](https://www.janestreet.com/puzzles/archive/)
* [jupyter notes for quant](https://news.ycombinator.com/item?id=21610687)
* [reddit post with list of resources](https://www.reddit.com/r/quant/comments/9uiq44/quant_career_interview/?utm_source=share&utm_medium=web2x)

- discord communities sometimes have job boards; focused on FT positions; good place to ask questions and get help with projects (especially the reactiflux community); see tech communities section below

- [reddit post of Zack’s list](https://www.reddit.com/r/cscareerquestions/comments/cixasn/comprehensive_list_of_tech_internships_for_2020/), [github](https://github.com/Zackhardtoname/internships)

- [my list of 230 companies](https://docs.google.com/spreadsheets/d/1xfmZKz13hmNQ70jpEGe4_jcd1jR21eYWW8BsLJpd9bs/edit#gid=0)

- [interns document their experience at tech companies (video)](https://www.youtube.com/channel/UCyAUw8sY5NN34v-ad6ym49A/videos)

- [tech interview handbook](https://yangshun.github.io/tech-interview-handbook/) (covers a broad set of topics)

- [repher.me for getting referrals](https://repher.me/)

- [remoteleaf list of remote cs jobs](https://docs.google.com/spreadsheets/d/1NVzygGYTmF3g_VPAh4lXhy3eu6PvxyyUgg-Jy_6BiII/edit#gid=1614334521)

- [the meticulous US intern’s guide (tailored to Canadians with US internships)](https://anthony-zhang.me/blog/intern-101/)

- [companies still hiring during COVID19 outbreak](https://docs.google.com/spreadsheets/d/1aagqVFdehXcd55cwFdx7HwduFbShNnb8wHfqOJSxbTA/edit?usp=sharing) [(tweet)](https://twitter.com/BreakoutList/status/1240783481375821829?s=20)

- [100 developer jobs--companies still hiring amid the coronavirus outbreak](https://dev.to/dabit3/100-developer-jobs-companies-still-hiring-amid-the-coronavirus-crisis-58o8)

- [hn who’s hiring--special early post due to coronavirus](https://news.ycombinator.com/item?id=22665398)

- [/r/CsJobLinks/](https://www.reddit.com/r/CsJobLinks/)

- [github repo for front-end focused jobs](https://github.com/sourceful/jobs)

- [>1500 remote jobs from >100 companies spreadsheet](https://docs.google.com/spreadsheets/u/1/d/1M-8J7z605dcPhUjYfyiKVxuci0e4AWsDLo_tvs19C5M/htmlview)

- [>1000 crowdsourced jobs from candor](https://candor.co/hiring-freezes/)

- [hack lodge (bay area, aug 22 - sep 1, deadline: apr 24)](https://hacklodge.org/)

- [ycombinator work at a startup](https://www.workatastartup.com/)

**Resume:**

- if you’re getting poor response rates, you’re likely having issues with: resume, referrals, and timing

- the most effective way (imo) of improving your resume is by looking at a ton of examples:

* [reddit exemplary resume sharing thread (dec 2019)](https://www.reddit.com/r/cscareerquestions/comments/e8narz/official_excellent_and_exemplary_resume_sharing/)
* [reddit show us the resume that got you the job](https://www.reddit.com/r/cscareerquestions/comments/40lnx4/show_us_the_resume_that_got_you_your_job/)
* [reddit experienced developers share their resumes](https://www.reddit.com/r/cscareerquestions/comments/7xcez9/official_experienced_currently_employed_developer/)
* i found these links by googling [“resume examples developers inurl:reddit”](https://www.google.com/search?sxsrf=ALeKk02YM6raruT8UryzuTDMmOQd7zqF-g%3A1582177533000&source=hp&ei=_BxOXuyoOpTB7gKL15XwDw&q=resume+examples+developers+inurl%3Areddit&oq=resume+examples+developers+inurl%3Areddit&gs_l=psy-ab.3...369.8218..8317...8.0..0.267.5933.14j30j3......0....1..gws-wiz.......35i39j0i67j0i131i67j0i131j0i10j0j0i20i263j0i13i10j0i13j0i22i30j0i22i10i30j33i160.txD0xZahKsE&ved=0ahUKEwjslsvOtt_nAhWUoFsKHYtrBf4Q4dUDCAc&uact=5)

- do similar searches on hacker news: [“resume inurl:ycombinator”](https://www.google.com/search?sxsrf=ALeKk02DfRo6g_qhE4vS2SHfMf6ZPa83WQ%3A1582177630533&ei=Xh1OXuufIPuT0PEP7MaeuAk&q=resume+inurl%3Aycombinator&oq=resume+inurl%3Aycombinator&gs_l=psy-ab.3...23069.29678..29833...6.7..0.153.2876.20j10......0....1..gws-wiz.......0i71j35i39j0i67j0j0i273j0i131j0i131i67j0i20i263j35i305i39j0i10j0i22i30.Rbjqy4zeT-c&ved=0ahUKEwjrxo79tt_nAhX7CTQIHWyjB5cQ4dUDCAo&uact=5)

* you can find great stuff like advice on what a [good developer resume looks like](https://news.ycombinator.com/item?id=13379733)

- get your resume reviewed by human eyes: ask your friends, career office, coworkers

**Free Interview Resources:**

- [byte-by-byte explained questions](https://www.byte-by-byte.com/coding-interview-questions/all/)

- [coding interview questions gitbook](https://kennyzhuang.gitbooks.io/algorithms-collection/content/index.html)

- [GeeksForGeeks](https://www.geeksforgeeks.org)

- [CareerCup](https://www.careercup.com/page?pid=facebook-interview-questions)

- [Codeforces](https://codeforces.com/problemset)

- [massive algorithms blog](https://massivealgorithms.blogspot.com/2019/06/archives.html)

- [what happens when…](https://github.com/alex/what-happens-when)

- fullstack questions: [link1](https://github.com/ratracegrad/Full-Stack-Interview-Questions), [link2](https://github.com/indy256/Full-stack-Developer-Interview-Questions-and-Answers)

- [algo questions in JS](https://github.com/trekhleb/javascript-algorithms)

- [TechieDelight](https://www.techiedelight.com/list-of-problems/)

- [people share resources on reddit](https://www.reddit.com/r/cscareerquestions/comments/6ag97t/definitive_collection_of_programming_interview/)

- [github collection](https://docs.google.com/document/d/1oPs9cE5JPPF6o8ftUbk7WqGN7iqzeTEUwvRjldX0dco/edit?usp=sharing)

- [top 75 from someone who did 400-500 LC questions](https://www.teamblind.com/post/New-Year-Gift---Curated-List-of-Top-75-LeetCode-Questions-to-Save-Your-Time-OaM1orEU) ([blind curated 75](https://leetcode.com/list/xoqag3yj/))

**Fellowship Programs:**

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| **❗**[*contact me*](https://forms.gle/nHTyhW7S9DuvpYG17) *if you have a lot of knowledge about these programs and want to contribute!* |

- [Thiel](https://thielfellowship.org/) (have to drop out of college)

- [Kleiner Perkins](https://fellows.kleinerperkins.com/about)

- [HackNY](https://apply.hackny.org/)

- [Cansbridge](https://www.cansbridgefellowship.com/)

- [Code 2040](https://www.code2040.org/fellows-program) (Black & Latinx)

- [8VC](https://www.8vcfellowship.com/)

- [RippleX](https://www.rippleventures.com/ripplexfellowship)

- [Hacker Fellowship](https://www.hackerfellows.com/) (pics on [tw](https://twitter.com/hackerfellows), [ig](https://www.instagram.com/hackerfellows/))

- [rewriting the code fellowship (women)](https://rewritingthecode.org/fellowship/)

- focused on VC:

* [Pear](https://www.pear.vc/fellows)
* [AVG](https://www.avgfunds.com/resources/venture-fellow-program/)
* [Included](https://www.included.vc/) (EU & UK)
* [Future VC](http://www.diversity.vc/future-vc/) (UK)

**Interesting tech blogs/sites:**

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| my faves:  - [my daily morning reading](https://news.ycombinator.com/) 📰  - the nicest-looking personal site I’ve ever seen: [brandur.org](https://brandur.org), [this too](http://imranchaudhri.com/)  - [julia evans](https://jvns.ca/), [paul graham](http://paulgraham.com/articles.html), [joel spolsky](https://www.joelonsoftware.com/), [dan luu](https://danluu.com/), [jeff atwood](https://blog.codinghorror.com/), [martin fowler](https://martinfowler.com/)  - Steve Yegge’s famous blog posts: [internal amazon blog (04-05)](https://sites.google.com/site/steveyegge2/blog-rants), [blogger (06-17)](http://steve-yegge.blogspot.com/), [medium (18-present)](https://medium.com/@steve.yegge)  - [generative art](https://inconvergent.net/) by Anders Hoff  - if you’re into perf/linux/systems/devops, you will love Brendan Gregg’s [site](http://www.brendangregg.com/)  - [an even bigger list of lists](https://github.com/sindresorhus/awesome)  - [>80k scored & ranked tech talks](https://techyaks.com/)  - discover neat tools [here](https://github.com/trimstray/the-book-of-secret-knowledge) |

- [hacker news](https://news.ycombinator.com/)

* [people share their favorite programmers 1](https://news.ycombinator.com/item?id=13520891)
* [people share their favorite programmers 2](https://news.ycombinator.com/item?id=21622748)
* [people share their favorite tech videos](https://news.ycombinator.com/item?id=21737922)
* [people share their favorite newsletters](https://news.ycombinator.com/item?id=21702554)
* [people share their favorite hn posts](https://news.ycombinator.com/item?id=18853966)
* [people share their favorite blogs 1](https://news.ycombinator.com/item?id=22273224)
* [people share their favorite blogs 2](https://news.ycombinator.com/item?id=22800136)
* [people share their favorite comments](https://news.ycombinator.com/item?id=19716401) ([did you win the Putnam?](https://news.ycombinator.com/item?id=35083), [the start of DropBox](https://news.ycombinator.com/item?id=35095))
* [people share their favorite cs fundamentals books](https://news.ycombinator.com/item?id=22346349)
* [papers that were featured on hn](https://www.hackernewspapers.com/)
* [scored, ranked tech talks](https://techyaks.com/)
* [computer engineering resources](https://news.ycombinator.com/item?id=21920205)
* [build a google](https://news.ycombinator.com/item?id=21737922)
* [learn k8s from building a home lab of rpis](https://news.ycombinator.com/item?id=21646762)
* [go study guide](https://news.ycombinator.com/item?id=20701671)
* [learn distributed systems](https://news.ycombinator.com/item?id=20249946)
* [learn backend development](https://news.ycombinator.com/item?id=18961793)
* [learn how databases work](https://news.ycombinator.com/item?id=17190947)
* [books on databases](https://news.ycombinator.com/item?id=19726520)
* [do you really know cors?](https://news.ycombinator.com/item?id=18134114)
* [sort in O(n)](https://news.ycombinator.com/item?id=17472719)
* [how do you learn complex technical topics?](https://news.ycombinator.com/item?id=22325975)
* [what source code is worth studying?](https://news.ycombinator.com/item?id=7602237)
* [people share their quarantine projects](https://news.ycombinator.com/item?id=23170881)
* [4-year course plan for ai undergrad degree](https://news.ycombinator.com/item?id=23321426)

- GitBooks:

* [computer engineering](https://rajesh-s.gitbook.io/compengg/)
* [linux internals](https://0xax.gitbooks.io/linux-insides/)
* [frontend dev handbook 2019](https://frontendmasters.com/books/front-end-handbook/2019/)
* [progressive web apps](https://webmaxru.gitbooks.io/progressive-web-applications/)
* [coding interview questions](https://kennyzhuang.gitbooks.io/algorithms-collection/content/index.html)
* [tech interview handbook](https://yangshun.github.io/tech-interview-handbook/)

- [high scalability](http://highscalability.com/all-time-favorites/)

- [bit-hacking](https://catonmat.net/low-level-bit-hacks), [even more bit-hacking](https://graphics.stanford.edu/~seander/bithacks.html)

- [acm queue](https://queue.acm.org/)

- [assembly & low level stuff](https://azeria-labs.com/about/)

- RESTful Cookbook: <http://restcookbook.com/>

- career guide: <https://github.com/nushackers/notes-to-cs-freshmen-from-the-future>

- [The Architecture of Open-Source Applications](https://www.aosabook.org/en/index.html)

- Steven Shaw’s [Programming Language Theory](https://steshaw.org/plt/)

- Linux stuff & security articles: <https://lwn.net/>

- [free programming books](https://github.com/EbookFoundation/free-programming-books/blob/master/free-programming-books.md) also libgen

- Discussions of NP-Complete problems: <https://npcomplete.owu.edu/>

- fast.ai <https://www.fast.ai/>

- how browsers work: <https://www.html5rocks.com/en/tutorials/internals/howbrowserswork/>

- computer networks OS textbook: <https://news.ycombinator.com/item?id=17824472>

- [don’t call yourself a programmer](https://www.kalzumeus.com/2011/10/28/dont-call-yourself-a-programmer/) by [patrick mckenzie](https://www.kalzumeus.com)

- Interesting wiki site: <https://wiki.c2.com/>

- Steve Yegge: [internal amazon blog (04-05)](https://sites.google.com/site/steveyegge2/blog-rants), [blogger (06-17)](http://steve-yegge.blogspot.com/), [medium (18-present)](https://medium.com/@steve.yegge), [top blog posts](http://sam-koblenski.blogspot.com/2015/05/the-best-steve-yegge-posts.html)

- Mikhail Barash’s article: [Papers on Programming Languages](https://medium.com/@mikhail.barash.mikbar/papers-on-programming-languages-ideas-from-70s-for-today-2931891d4dbd)

- [Bob Nystrom](http://journal.stuffwithstuff.com/) (game dev): [free game programming patterns book](https://gameprogrammingpatterns.com/)

- Recurse Center Articles: <https://codewords.recurse.com/issues>

- [Jeff Dean on Distributed Systems](https://www.cs.cornell.edu/projects/ladis2009/talks/dean-keynote-ladis2009.pdf) and watch his presentations on youtube

- [Brendan Gregg](http://www.brendangregg.com/) (u will love this if u like perf/devops/cloud/linux/VMs)

- [learn how companies run their tech stack](https://runninginproduction.com/)

- [No Drama DevOps](https://nodramadevops.com/)

- [learn how Google does SRE](https://landing.google.com/sre/) ([hn post](https://news.ycombinator.com/item?id=22815453))

- [The Twelve-Factor App](https://12factor.net/)

- [google tech talks (video)](https://www.youtube.com/user/GoogleTechTalks/videos)

- discover neat stuff on [product hunt](https://www.producthunt.com)

- software engineering tools: <https://rise4fun.com/>

- learn useful skills: <https://missing.csail.mit.edu/>

- [Amazon shareholder letters (1997-2017)](https://medium.com/@austenallred/every-amazon-shareholder-letter-as-downloadable-pdf-4eb2ae886018)

- [build your own x](https://github.com/danistefanovic/build-your-own-x)

- [destroy all software](https://www.destroyallsoftware.com/screencasts) (free/paid)

- [massive list of engineering blogs (company and personal)](https://github.com/kilimchoi/engineering-blogs/blob/master/README.md)

- [hh personal websites](https://github.com/HackathonHackers/personal-sites)

- [making badass developers (video, funny)](https://www.youtube.com/watch?v=FKTxC9pl-WM)

- [curated list of 250+ startup incubators/accelerators](https://incubatorlist.com/) ([hn post](https://news.ycombinator.com/item?id=22290627))

- [google tech dev guide](https://techdevguide.withgoogle.com/)

- [the daily wtf](https://thedailywtf.com/)

- [rico meinl’s list of ML system design articles from tech co's (linkedin post)](https://www.linkedin.com/posts/ricomeinl_machinelearning-systemdesign-artificialintelligence-activity-6637794482542661633-3pWV)

- [ai curriculum by machine learning tokyo](https://github.com/Machine-Learning-Tokyo/AI_Curriculum)

- [the untold history of facebook’s most controversial growth tool](https://marker.medium.com/the-untold-history-of-facebooks-most-controversial-growth-tool-2ea3bfeaaa66)

- [shell hacks blog](https://www.shellhacks.com/)

- [podcast notes](https://podcastnotes.org/)

-[cambridge textbooks are free until end of may](https://www.cambridge.org/core/what-we-publish/textbooks)

- [mikito takada book on distributed systems](http://book.mixu.net/distsys/single-page.html)

- [list of career ladders](https://dev.to/swyx/every-public-engineering-career-ladder-h0j)

- [folklore - stories on the development of the macintosh](https://www.folklore.org/)

- [story about the team that saved healthcare.gov](https://www.theatlantic.com/technology/archive/2015/07/the-secret-startup-saved-healthcare-gov-the-worst-website-in-america/397784/)

- [study and develop the linux kernel modules](https://github.com/cirosantilli/linux-kernel-module-cheat)

- [twitter thread with list of cs web books](https://twitter.com/andy_matuschak/status/1246937718283624449)

- [high performance browser networking](https://hpbn.co/)

- [hn thread on db design (w/interesting discussion on internationalization)](https://news.ycombinator.com/item?id=22806142)

- [career progression frameworks](https://www.progression.fyi/)

- [venture news - trending links in tech startups](http://www.venturenews.co/)

- [nist dictionary of algorithms and data structures](https://xlinux.nist.gov/dads/)

- [springer released 400+ books free to download, including cs](https://link.springer.com/search/page/3?facet-discipline=%22Computer+Science%22&facet-content-type=%22Book%22&package=mat-covid19_textbooks)

- [stephen wolfram shares his workspace setup](https://writings.stephenwolfram.com/2019/02/seeking-the-productive-life-some-details-of-my-personal-infrastructure/), [he also livestreams his meetings](https://writings.stephenwolfram.com/2017/12/what-do-i-do-all-day-livestreamed-technology-ceoing/)

- [google’s web.dev for performance and accessibility stuff](https://web.dev/)

- [cloud challenge](https://cloudresumechallenge.dev/instructions/)

- [tools for better thinking](https://untools.co/)

- [stories of staff engineers (and up)](https://staffeng.com/)

**Personal Websites:** 👌 = good stuff

|  |  |  |
| --- | --- | --- |
| - [timothy achumba](https://timothyachumba.com/) (design)  - [sam altman](https://blog.samaltman.com/) (startups)  - [jeff atwood](https://blog.codinghorror.com/) (cofounder of [so](https://stackoverflow.com/)) 👌  - [bruce barnett](https://www.grymoire.com/Unix/index.html) (unix stuff, bash)  - [david baumgold](https://www.davidbaumgold.com/) (fullstack)  - [titus barik](https://www.barik.net/) (msft)  - [eli bendersky](https://eli.thegreenplace.net/)  - [andrew best](https://www.andrew-best.com/)  - [jake bian](http://jake.run/) (math, ai, ml)  - [rw blickhan](https://rwblickhan.org/)  - [carlos bueno](http://carlos.bueno.org/about.html)  - [marc brooker](https://brooker.co.za/blog/) (aws, dist.sys)  - [pierrick calvez](https://www.pierrickcalvez.com/) (art, design)  - [gail carmichael](http://compscigail.blogspot.com/)  - [imran chaudhri](http://imranchaudhri.com/) (apple, design, 1000+ patents)  - [allen cheung](https://allenc.com/) (leadership, management)  - [charlotte chen](https://charlottechen.me/) (design)  - [james coglan](https://blog.jcoglan.com/)  - [patrick collision](https://patrickcollison.com/about) (founder [stripe](https://stripe.com), [fav blogs](https://patrickcollison.com/people))  - [jay conrod](https://jayconrod.com/)  - [lucas costa](https://lucasfcosta.com/)  - [ben cox](https://benjojo.co.uk/) (networking, security)  - [david crawshaw](https://crawshaw.io/)  - [gilmore davidson](https://shoehornwithteeth.com/) (web)  - [bruce dawson](https://randomascii.wordpress.com/)  - [eric davidson](https://www.erdavids.com/) (gen art)  - [pablo deving](https://prdeving.wordpress.com/) (game dev, [write game eng in c](https://prdeving.wordpress.com/2019/05/30/how-to-write-a-game-engine-in-pure-c-part-1-state-manager/))  - [phil eaton](http://notes.eatonphil.com/)  - [mark erikson](https://blog.isquaredsoftware.com/) (react, redux)  - [jason evanish](https://jasonevanish.com) (prod.management) 👌  - [julia evans](https://jvns.ca/) 👌  - [dimitri fontaine](https://tapoueh.org/) (postgresql)  - [martin fowler](https://martinfowler.com/) (architecture, agile) 👌  -[robert gaskins](https://www.robertgaskins.com/) (invented powerpoint, [pdf book](https://www.robertgaskins.com/powerpoint-history/sweating-bullets/gaskins-sweating-bullets-webpdf-isbn-9780985142414.pdf))  -[elad gil](http://blog.eladgil.com/) (startups)  - [paul graham](http://paulgraham.com/articles.html) (startups, tech) 👌  - [matthew green](https://blog.cryptographyengineering.com/) (cryptography) 👌  - [brendan gregg](http://www.brendangregg.com/) (linux, perf, vms) 👌  - [philip guo](http://pgbovine.net) (academia, research) 👌  - [james hague](https://prog21.dadgum.com/)  - [fletcher haynes](https://blog.subnetzero.io/) (infra, dist.sys, [build lang vm](https://blog.subnetzero.io/post/building-language-vm-part-00/))  - [martin heinz](https://martinheinz.dev/) (python, go, docker)  - 🔥 [tyler hobbs](https://tylerxhobbs.com/) (generative art) 👌  - [anders hoff](https://inconvergent.net/) (generative art) 👌  - [bert hubert](https://berthub.eu/) (linux, c++, dna, startups)  - [tristan hume](https://thume.ca/) 👌  - [nick janetakis](https://nickjanetakis.com/) (fullstack)  - [eric jang](https://blog.evjang.com/) (ai)  - [igor kantor](https://medium.com/@devfire) (devops)  - [andrej karpathy](https://cs.stanford.edu/people/karpathy/) (sr. director of tesla ai)  - [evan klitzke](https://eklitzke.org/)  - [jeremy kun](https://jeremykun.com/) (math, algos) 👌  - [will kurt](https://www.countbayesie.com/) (probability)  - [rachel kroll](https://rachelbythebay.com/) (linux, sysadmin, [fun](https://rachelbythebay.com/fun/))  - 🔥 [raven kwok](http://ravenkwok.com/) (generative art)  - [brandur leach](https://brandur.org) 👌  - [robert lin](https://bobheadxi.dev/) | | - [michael lopp](https://randsinrepose.com/) (management) 👌  -[brian lovin](https://brianlovin.com/) (design)  - [per lundberg](https://perlun.eu.org/en/)  - [zhuo lu](https://mintkit.net/)  - [dan luu](https://danluu.com/) 👌  - [kevin lynagh](https://kevinlynagh.com/) (design)  - [robert martin](https://blog.cleancoder.com/) ([clean code](https://www.goodreads.com/book/show/3735293-clean-code), [future.progr vid](https://www.youtube.com/watch?v=ecIWPzGEbFc))  - [andy matuschak](https://andymatuschak.org/) (swe, design, [notes](https://notes.andymatuschak.org/About_these_notes))  - [sandy maguire](https://reasonablypolymorphic.com/) ([cool book](https://reasonablypolymorphic.com/book/preface.html)) 👌  - [patrick mckenzie](https://www.kalzumeus.com) ([most popular content](https://www.kalzumeus.com/greatest-hits/)) 👌  - [michael nielsen](http://michaelnielsen.org/blog/) (ds, ml)  - [peter norvig](http://www.norvig.com/) (dir. research google)  - [sergey nuzhdin](https://blog.lwolf.org/) (devops)  - [bob nystrom](http://journal.stuffwithstuff.com/) (game dev, [game prog. patterns](http://gameprogrammingpatterns.com/))  - [gergely orosz](https://blog.pragmaticengineer.com/) ([reading list](https://blog.pragmaticengineer.com/my-reading-list/))  - [aristotle pagaltzis](http://plasmasturm.org/)  - [john palmer](https://darkblueheaven.com/)  - 🔥 [brian park](http://brianhkpark.me/) (design)  - 🔥 [shawn park](https://www.designbyroka.com/) (product design)  - [john pham](https://pham.codes/)  - [filip piękniewski](https://blog.piekniewski.info/) (ai, cv, ml)  - [alex pliutau](https://pliutau.com/) (go, devops, apis, microservices)  - [ralf’s ramblings](https://www.ralfj.de/) (rust)  - [aditya ramesh](https://blogarithms.github.io/) (algos)  - [john regehr](https://blog.regehr.org/) (uofutah, systems) 👌  - [sebastian ruder](https://ruder.io/) (deepmind, ml, nlp) 👌  - [fabian sanglard](http://fabiensanglard.net/) (game, code reviews)  - [ciro santilli](https://cirosantilli.com/) 👌  - [chris seaton](https://chrisseaton.com/)  - [david shariff](http://davidshariff.com/) (js, frontend)  - [steven shaw](https://steshaw.org/) ([plt](http://plt))  - [sau sheong](https://medium.com/sausheong) (go, ml)  - 🔥 [kyuha shim](http://www.kyuhashim.com/) (gen art)  - [forrest smith](https://www.forrestthewoods.com/) (games, vr, [memory napkin math](https://www.forrestthewoods.com/blog/memory-bandwidth-napkin-math/))  - 🔥 [eugene so](http://www.eugeneso.com) (design)  - [joshua sortino](http://www.sortino.co/design) (design)  - [joel spolsky](https://www.joelonsoftware.com/) ([joel test](https://www.joelonsoftware.com/2000/08/09/the-joel-test-12-steps-to-better-code/), [unicode](https://www.joelonsoftware.com/2003/10/08/the-absolute-minimum-every-software-developer-absolutely-positively-must-know-about-unicode-and-character-sets-no-excuses/), cofounder of [so](https://stackoverflow.com/)) 👌  - [godwin stewart](http://howto-pages.org/) (linux)  - 🔥 [jihoon suh](https://jihoonsuh.com/) (design)  - [mikito takada](http://mixu.net/) ([dist sys](http://book.mixu.net/distsys/single-page.html))  - [tom tromey](https://tromey.com/) (emacs, gdb, gcc)  - [francis tseng](https://frnsys.com/) ([ai](https://frnsys.com/ai_notes/))  - [matt turck](https://mattturck.com/) (vc)  - [povilas versockas](https://povilasv.me/) (devops, go, [go mem man](https://povilasv.me/go-memory-management/))  - [pierre vincent](https://blog.pvincent.io/) (devops, sre, cd)  - [vladislav supalov](https://vsupalov.com/) (docker, k8s, devops, django)  - [chris wellons](https://nullprogram.com/)  - [dan wang](https://danwang.co/) (general, books) 👌  - [robin wieruch](https://www.robinwieruch.de/) (react, js, frontend) 👌  - [robin weser](https://weser.io/) (frontend)  - [patrick wyatt](https://www.codeofhonor.com) (games)  - [kevin yap](https://kevinyap.ca/)  - [steve yegge](https://medium.com/@steve.yegge) ([old1](https://sites.google.com/site/steveyegge2/blog-rants), [old2](http://steve-yegge.blogspot.com/)) 👌  - [matt zeunert](https://www.mattzeunert.com/) (web, frontend, devtools)  - [eric zhang](https://www.ekzhang.com/)  - [victor zhou](https://victorzhou.com/)  - [kev van zonneveld](https://kvz.io/) (devops, infra) |

**Academic-y Links:**

- academic papers:

* [google publications](https://research.google/pubs/)
* [early google prototype](http://infolab.stanford.edu/~backrub/google.html)
* [google file system](https://research.google/pubs/pub51/)
* [google mapreduce](https://research.google/pubs/pub62/)
* [google bigtable](https://research.google/pubs/pub27898/)

- Dijkstra EW, 1971 [A Short Introduction to the Art of Programming](https://www.cs.utexas.edu/users/EWD/transcriptions/EWD03xx/EWD316.html)

**-** Kessler GC, 2020 [An Overview of Cryptography](https://www.garykessler.net/library/crypto.html)

- Greenspun P, et al, 2006 [Software Engineering for Internet Applications](https://philip.greenspun.com/seia/)

- [Cornell Virtual Workshop](https://cvw.cac.cornell.edu/default) (learn interesting topics and techniques)

- [personal websites](https://docs.google.com/document/d/1zgRm0ymPn4Ffr2Rrwg9DuSPytuHDoDO0wvLcTEda9gA/edit?usp=sharing) of cs profs from Berkeley, CMU, Harvard, Stanford, and UPenn, collected from a web-scraping side project

- all the top unis publish their course content online, so you can download their materials for extra study

- Kavyon Fatahalian (graphics, cmu → stanford) has a [website](http://graphics.stanford.edu/~kayvonf/), and slides: [do grades matter?](http://graphics.stanford.edu/~kayvonf/misc/do_grades_matter.pdf)

- Mor Harchol-Balter, 2014 [applying to ph.d programs in cs (cmu)](https://www.cs.cmu.edu/~harchol/gradschooltalk.pdf)

- [reinforcement learning lectures (videos)](https://www.youtube.com/watch?v=2pWv7GOvuf0&list=PLqYmG7hTraZDM-OYHWgPebj2MfCFzFObQ&index=1) by [prof david silver](https://www.davidsilver.uk/) (led the alphago project)

- 🧸[grad school resources by kalpesh krishna](http://martiansideofthemoon.github.io/2018/05/29/grad-resources.html)

- [the phd grind by philip guo (pdf)](http://pgbovine.net/PhD-memoir/pguo-PhD-grind.pdf)

**Corporate Engineering Blogs:**

|  |  |  |
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| my faves: [Uber](https://eng.uber.com/) [Stripe](https://stripe.com/en-ca/blog/engineering) [Netflix](https://netflixtechblog.com/) [DeepMind](https://deepmind.com/blog) | | |
| [Affirm](https://tech.affirm.com/)  [Airbnb](https://medium.com/airbnb-engineering)  [Apple ML](https://machinelearning.apple.com/)  [Asana](https://blog.asana.com/category/eng/)  [Atlassian](https://www.atlassian.com/blog/atlassian-engineering)  [Box](https://blog.box.com/category/engineering)  [Buffer](https://overflow.buffer.com/)  [Cerner](https://engineering.cerner.com/)  [Cloudflare](https://blog.cloudflare.com/)  [Datadog](https://www.datadoghq.com/blog/engineering/)  [DeepMind](https://deepmind.com/blog)  [Discord](https://blog.discordapp.com/tagged/engineering)  [Docker](https://www.docker.com/blog/category/engineering/)  [Dropbox](https://blogs.dropbox.com/tech/)  [eBay](https://tech.ebayinc.com/)  [Etsy](https://codeascraft.com/)  [Facebook](https://engineering.fb.com/)  [Figma](https://www.figma.com/blog/section/engineering/)  [Flatiron Health](https://flatiron.com/blog/category/engineering/)  [Flexport](https://flexport.engineering/) | [GitHub](https://githubengineering.com/)  [GitLab](https://about.gitlab.com/blog/categories/engineering/)  [Google AI](https://ai.googleblog.com/)  [Google](https://developers.googleblog.com/)  [Grab](https://engineering.grab.com/)  [Heroku](https://blog.heroku.com/engineering)  [Hulu](https://medium.com/hulu-tech-blog)  [Hootsuite](https://medium.com/hootsuite-engineering)  [Indeed](https://engineering.indeedblog.com/blog/)  [Instagram](https://instagram-engineering.com/)  [LINE](https://engineering.linecorp.com/en/blog/)  [LinkedIn](https://engineering.linkedin.com/blog)  [Medium](https://medium.engineering/)  [Microsoft](https://www.microsoft.com/developerblog/)  [Nava](https://blog.navapbc.com/)  [Netflix](https://netflixtechblog.com/)  [Okta](https://developer.okta.com/blog/)  [Oscar Health](https://medium.com/oscar-tech)  [Pinterest](https://medium.com/@Pinterest_Engineering)  [Quora](https://www.quora.com/q/quoraengineering) | [Riot](https://technology.riotgames.com/)  [Shopify](https://engineering.shopify.com/)  [Slack](https://slack.engineering/)  [Spotify](https://labs.spotify.com/)  [Square](https://developer.squareup.com/blog/)  [Stripe](https://stripe.com/en-ca/blog/engineering)  [Twitter](https://blog.twitter.com/engineering/en_us.html)  [Twitch](https://blog.twitch.tv/en/tags/engineering)  [Uber](https://eng.uber.com/)  [V8](https://v8.dev/blog)  [Walmart Labs](https://medium.com/walmartlabs)  [Yelp](https://engineeringblog.yelp.com/)  [Youtube](https://youtube-eng.googleblog.com/) |

**Nifty Tools:**

- [find the answer to almost every problem](https://www.google.com/)

- [find the answer to almost every problem with privacy and darktheme](https://duckduckgo.com/)

- build regex strings: [regexr](https://regexr.com/), [regex101](https://regex101.com/)

- decipher shell commands: [explainshell](https://explainshell.com/)

- move & resize windows by keyboard: [spectacle](https://regexr.com/)

- live editors: [awk](https://awk.js.org/), [sed](https://sed.js.org/)

- [google search tricks](https://docs.google.com/document/d/1g75wc7YmNGmPjROV5noWynFtKtVYyQ7v-kNLFrgMfNo/edit?usp=sharing), [more search tricks](https://ahrefs.com/blog/google-advanced-search-operators/)

- [sql fiddle](http://sqlfiddle.com/), [sqlite online](https://sqliteonline.com/)

- to reduce eye strain: [f.lux](https://justgetflux.com/)

- [linux productivity tools](https://news.ycombinator.com/item?id=23229241)

- **🔥** time trackers: [rescuetime](https://www.rescuetime.com/)

- **🔥** distraction removers: [selfcontrol (mac)](https://selfcontrolapp.com/), [coldturkey](https://getcoldturkey.com/), [leechblock](https://www.proginosko.com/leechblock/)

- **🔥** [blacklist](https://github.com/StevenBlack/hosts)

- **🔥** offline docs browser: [dash](https://kapeli.com/dash)

**Tech Communities:**

- [dev.to](https://dev.to/)

- [r/cscareerquestions](https://www.reddit.com/r/cscareerquestions/), [r/csMajors](https://www.reddit.com/r/csMajors/), [r/ExperiencedDevs](https://www.reddit.com/r/ExperiencedDevs/), [r/programming](https://www.reddit.com/r/programming/)

- [hacker news](https://news.ycombinator.com/)

- discord communities

* [cs career hackers](https://discordapp.com/invite/ndFR4RF)
* [cs majors](https://discordapp.com/invite/WNjPVuH)
* [cscareers.dev](https://discord.gg/dAAP6S)
* [python](https://discord.gg/python)
* [sentdex python](https://discordapp.com/invite/3jCqXJj) (some focus on ai, by [harrison kinsley](https://hkinsley.com/))
* [reactiflux](https://discord.gg/SSaTED) (react and webdev, very active, Q&A sessions, active job board, links to other communities)
* [ux/ui](https://discordapp.com/invite/ZKpEQJV)
* [webdev and web\_design](https://discordapp.com/invite/keD8rZp)

- twitter

- [gamedev.net](https://www.gamedev.net/)

- [react vancouver](https://reactvancouver.com/) (there’s a react meetup in every city)

- fb groups: [hackathon hackers](https://www.facebook.com/groups/hackathonhackers/), [hh websites and resumes (get ur resume reviewed here)](https://www.facebook.com/groups/1487708811477672/)

- [reading.supply](https://reading.supply/)

- for students/new grads: [jumpstart](https://jumpstart.me)

- [homebrew website club](https://indieweb.org/Homebrew_Website_Club)

**Frontend Resources:**

- [YDKJS](https://github.com/getify/You-Dont-Know-JS) - Deep dive into JS by Kyle Simpson. I would suggest this as mandatory reading for any serious JS developer.

- [Mark Erikson's Megalist](https://github.com/markerikson/react-redux-links) - React/Redux links, and many more. Usually the first resource I point to.

- [Reactiflux Discord Community](https://www.reactiflux.com/) - They have grown quite a bit since I first joined. They have Q/A sessions with some big names, a job board, links to resources, and on-demand help from some of the nicest people in the community.

- [Front End Checklist](https://github.com/thedaviddias/Front-End-Checklist) - A nice comprehensive overview of front-end concerns. If you are not the type to use checklists, it’s a good resource to check for gaps in your understanding.

- [Front-End Developer Handbook 2019](https://frontendmasters.com/books/front-end-handbook/2019/) - This would make a nice companion for the Front-End Checklist. It's sponsored by [Frontend Masters](https://frontendmasters.com/), who provides a nice JS series by Kyle Simpson, the author of YDKJS.

- [PWA Handbook](https://webmaxru.gitbooks.io/progressive-web-applications/content/) - PWAs are an important topic for front-end developers to know. Not very many companies are taking advantage of some really small changes that could boost engagement and retention. I would also suggest this series by [Google](https://developers.google.com/web/progressive-web-apps/) as well.

- [Awesome List](https://github.com/sindresorhus/awesome) - A megalist of megalists.

- [React Training Videos (Paid)](https://reacttraining.com/) - I used their videos to learn React and React-Router. They're very high-quality and up-to-date with changing trends.

- [Tyler McGinnis (Paid)](https://tylermcginnis.com/) - Also used some of his videos to learn React. Another great resource.

- [Egghead.io (Free/Paid)](https://egghead.io/) - Sometimes you can find good video tutorials here. I suggest watching the Redux series by Dan Abramov, if they're still up there.

- [2ality](http://2ality.com/) - By Dr. Axel Rauschmayer. My go-to resource for getting a review of cutting-edge features in JS.

- [Robin Weiruch](https://www.robinwieruch.de) writes really great articles on react/redux/front-end. I also really like his tutorial series on how to set up a [react project from scratch](https://www.robinwieruch.de/javascript-project-setup-tutorial)--the original way, before the days of create-react-app. Expanding from here, you can understand all the inner workings of configuring a react project (i.e. all the stuff you see when ejecting a cra app). Totally worth it, and you learn a lot of valuable, specialized skills as a front-end developer.

**UI/UX & Product Design:**

- [ux collective](https://uxdesign.cc/) (articles, newsletter)

- [awesome list of resources](https://www.linkedin.com/pulse/complete-list-ux-resources-tools-designers-felix-lee/) by Felix Lee

- [designcode.io (free/paid)](https://designcode.io/)

- [ui movement](https://uimovement.com/) (inspiration, newsletter)

- [page flows](https://pageflows.com/) (inspiration, videos)

- [bestfolios](https://www.bestfolios.com/home) (design portfolios, inspiration, submit portfolio here)

- [product design portfolios](https://brianlovin.com/overthought/product-design-portfolios)

- [imran chaudri’ website (former dir. of design @apple, 1000+ patents)](http://imranchaudhri.com/)

- [more design portfolios](https://www.notion.so/Portfolios-ed4a61b228f24dd9890b2a6d5fd68b1e)

- [google wave (real-time collaborative editing software framework)](https://blog.taskade.com/google-wave-history/) ([hn post](https://news.ycombinator.com/item?id=22815713))

- [powerpoint](https://www.robertgaskins.com/) ([pdf book - 33mb](https://www.robertgaskins.com/powerpoint-history/sweating-bullets/gaskins-sweating-bullets-webpdf-isbn-9780985142414.pdf))

-[hn undocumented features](https://github.com/minimaxir/hacker-news-undocumented/blob/master/README.md)

- 🧸 [olivia truong’s product designer starter kit](https://docs.google.com/document/d/15PkJm4uJmaK5ehOoW0TnTaOVgDh9BJwOgpv9mYvBPpE/edit)

-[design journal by deep joshi](https://www.notion.so/Design-Journal-4cd55da4cd944538b9b0cfa6c40a9adb)

-[design & webdev conferences](https://dsgn.link/conferences/?fbclid=IwAR01oEkNnBVvkONzKAA73IuDPBnlLmhvqTnJeOhYMdt_tNCCAXyLUNh7BxY)

-[sidebar (five design links a day)](https://sidebar.io/)

-[growth & ux case studies](https://growth.design/case-studies/)

- [typewolf.com](https://www.typewolf.com)

- **🔥** [amazing design people list](https://www.adplist.org)

**Design Groups:**

|  |  |  |
| --- | --- | --- |
| wip | | |
| [ideo](https://www.ideo.com)  [ueno](https://ueno.design/) |  |  |

**Newsletters:**

|  |
| --- |
| my faves:  - well-written tech startup articles: [ben thompson](https://stratechery.com/), [scott galloway](https://www.profgalloway.com/)  - scienceeee: [nautilus](http://nautil.us/), [quanta](https://www.quantamagazine.org/)  - [learn the history of the web](https://thehistoryoftheweb.com/)  - [market intel, acquisitions, deals, tech startups](https://www.cbinsights.com/) |

- [people on hn share their favorite newsletters](https://news.ycombinator.com/item?id=21702554)

- [InfoQ](https://www.infoq.com/)

- [Software Lead](https://softwareleadweekly.com/)

- [iOS dev weekly](https://iosdevweekly.com/)

- [Android weekly](https://androidweekly.net/)

- [JavaScript weekly](https://javascriptweekly.com/)

- [ycombinator](https://blog.ycombinator.com/) (startups)

- [stratecherey](https://stratechery.com/) (startups)

- [andreessen horowitz](https://a16z.com/) (startups)

- [No Mercy No Malice](https://www.profgalloway.com/) (startups, funny)

- [Nautilus](http://nautil.us/) (science)

- [Quanta](https://www.quantamagazine.org/) (science)

- [History of the Web](https://thehistoryoftheweb.com/)

- [crunchbase](https://www.crunchbase.com/) (market intel, acquisitions, deals)

- [cbinsights](https://www.cbinsights.com/) (market intel, acquisitions, deals)

- [morning cup of coding](https://morningcupofcoding.com/)

- [the morning paper](https://blog.acolyer.org/) (discusses a cs paper every morning)

- [the dial tone](https://tinyletter.com/acwhittam) (interesting articles floating around the web)

- [thoughtbot](https://thoughtbot.com/blog)

- react-specific: [react status](https://react.statuscode.com/), [react newsletter](http://reactjsnewsletter.com/)

- [responsive design weekly](https://responsivedesign.is/newsletter/) (frontend, design)

- [cmu software engineering institute](https://insights.sei.cmu.edu/)

- **🔥** [increment by stripe](https://increment.com)

- **🔥** [holloway](https://www.holloway.com) (startups)

**Hackathons & Competitions:**

- [IBM AI XPRIZE Challenge](https://ai.xprize.org/prizes/artificial-intelligence) ($5,000,000)

- [Leaders Prize](https://leadersprize.truenorthwaterloo.com/en/) ($1,000,000, Canada only)

- [Hult Prize](http://www.hultprize.org/challenge/) ($1,000,000)

- [IBM Call for Code](https://developer.ibm.com/callforcode/) ($200,000) **deadline: July 31st, themes: covid-19, climate change**

- [Microsoft Imagine Cup](https://imaginecup.microsoft.com/) ($100,000, students) ← fun

- [Ericsson Innovation Awards](https://www.ericsson.com/en/events/eia) (€25,000, students)

- [TechCrunch Disrupt SF Hackathon](https://techcrunch.com/events/disrupt-sf-2019/hackathon/) ($10,000)

- my hackathon resources [gdocs](https://docs.google.com/document/d/1i4HfYYETU297uQvvy0wIm087Qmxb7uiazPNi9Ah19lY/edit?usp=sharing)

- [MIT Grand Hack](https://grandhack.mit.edu/boston/) (healthcare hackathon)

- [P&G CEO Challenge](https://www.pg-ceochallenge.com/)

- [find hackathons at mlh](https://mlh.io/seasons/na-2020/events)

- [find hackathons at devpost](https://devpost.com/hackathons)

- [find hackathons at hackerearth](https://www.hackerearth.com/challenges/hackathon/)

- [HackJunction](https://www.hackjunction.com/)

- [DeveloperWeek hackathon](https://www.developerweek.com/events/hackathon/)

- Facebook online [hackathons](https://devpost.com/facebook)

**Programming Culture:**

- [accurate and detailed history of programming languages](http://james-iry.blogspot.com/2009/05/brief-incomplete-and-mostly-wrong.html)

- [shoot your foot](http://howto-pages.org/shootfoot.php)

- [this stack overflow post](https://stackoverflow.com/questions/184618/what-is-the-best-comment-in-source-code-you-have-ever-encountered)

- [save princess](https://toggl.com/programming-princess/)

- [kill dragon](https://blog.toggl.com/kill-dragon-comic/)

- [build horse](https://blog.toggl.com/build-horse-programming/)

- [programming people](http://leftoversalad.com/c/015_programmingpeople/)

- [why you should avoid people who use lisp](https://imgur.com/gallery/huZRM)

- [essays](https://imgur.com/ZyeCO)

- [a monad is just a monoid in the category of endofunctors, what’s the problem?](https://stackoverflow.com/questions/3870088/a-monad-is-just-a-monoid-in-the-category-of-endofunctors-whats-the-problem)

- [xkcd](https://xkcd.com/): [bobby tables](https://xkcd.com/327/), [ballmer peak](https://xkcd.com/323/)

- [programming jokes](https://forums.unknownworlds.com/discussion/37965/geeky-computer-programming-jokes)

- [interview rejection](https://rejected.us/)

- [learn how to hacking](http://hackertyper.com/)

- [developers developers developers (video)](https://www.youtube.com/watch?v=Vhh_GeBPOhs)

- [linus doesn’t like nvidia (video)](https://www.youtube.com/watch?v=IVpOyKCNZYw)

- [wat (video)](https://www.destroyallsoftware.com/talks/wat)

- [the mysterious life of developers (video)](https://www.youtube.com/watch?v=ocwnns57cYQ)

**I want to contribute:**

**-** [contribute/feedback](https://forms.gle/nHTyhW7S9DuvpYG17)

**Ideas:**

people to follow in front-end? categorize interesting links

would love to add your megalist on here

better design