

Strong Resume

[Personal Info → 2 lines]

- Name
- Location | Email | LinkedIn | Github | Personal Website or Technical Blog
- Do not put phone number

EXAMPLE PERSONAL INFO:

John Doe
Greater NYC Area | JohnDoe@gmail.com | [LinkedIn.com/in/yasinehsan](#) | [GitHub.com/YasinEhsan](#) | [YasinEhsan.com](#)

[Education → 3 lines]

- College and “expected graduation date”
- Degree and GPA (mention GPA only if above 3.9)
- Relevant coursework: “Data structures, Algorithms, Software engineering, Deep learning” (watch a 5-min Youtube video if you haven’t taken the course)
- Put education section in bottom after first full-time engineering experience

EXAMPLE EDUCATION:

EDUCATION
Queens College, City University of New York (CUNY)
Bachelors of Arts in Computer Science | 3.9 GPA
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Deep Learning
Expected Graduation: Aug 2025

[Skills → 2 lines]

- Programming: broken down into 3 proficiencies and annotates number of years spent in each language
- Software: mentions heavy in-use production frameworks such as AWS, GCP and Langchain (for ai-stack) followed by myriad of web, AI and ML frameworks

- NOTE:
 - html, css is not a language but a design tool
 - Stray away from mentioning expected understanding of basic tools as skills such as “Microsoft Word” or “VS code”

EXAMPLE SKILLS:

SKILLS	
Languages	<i>Proficient</i> JavaScript(5yrs) · Python(3yrs) <i>Intermediate</i> Swift(3yrs) · Java(1yrs) <i>Beginner</i> SQL(1yrs) · PHP(2yrs)
Software	AWS · GCP · Langchain · Docker · Kubernetes · TensorFlow · JupyterNotebook · iOS · Bootstrap · Git · Bash

[Experience → 6-30 lines]

- Place title above the name of company or organization
- Titles “Software Engineer” or “Machine Learning Engineer” enumerate as many times as possible in experience. If recruiter has 6 seconds to read resume, they should see candidate as “low risk” by having the title i.e. “Software Engineer” repeats multiple times. Different forms is ok:
 - Software Engineer
 - Software Engineering Intern
 - Software Engineering Fellow
 - Software Engineering Tutor
 - Software Engineering Research Fellow etc
- Bullets follow pattern: did X+ code metric in skill 1, skill 2, skill 3 which resulted in Y % change or efficiency metric as measured by Z volume or outcome metric
- Bullets start with “Built, implemented, created, developed, designed”
- First bullet point must be a single line
- Bullet do not contain periods at end
- Bullets span the whole line ie avoid ending with 2 words on second line... ideally 1 full line ... or 2 full lines to min-max resume real-estate
- Avoid non- software engineering titles and roles ie retail, former major activities, cybersecurity, IT, volunteering with non-coding responsibilities, etc

EXAMPLE EXPERIENCE:

EXPERIENCE	
Software Engineering Intern RUBYCARD <ul style="list-style-type: none">• Creating 6+ web services for AI chatbot cutting cloud costs by 10% for 1B+ monthly replies• Building framework bridging customer APIs with Snowflake streams run on AWS Lambda• Owning 12+ APIs in servicing components with Typescript backend, React frontend• Leading component to production, deploying using container orchestration, Jenkins CI/CD• Implementing visibility of AWS resources placing triggers when ML models in dev overspend	Aug 2020 - Present New York, NY
Software Engineering Intern CHRONO GROUP <ul style="list-style-type: none">• Building 4+ full-stack solutions with payment walls for mom-and-pop businesses increasing SEO by 90+%• Completed 3,342 lines of code in ReactJS, NodeJS on GCP, AWS for secure blog-admin and client dashboard• Leading architecture decisions for SAAS products/B2B projects and working with 3 developers and 1 intern	Oct 2019 - Aug 2020 New York, NY
Software Engineering Fellow CUNY TECH PREP <ul style="list-style-type: none">• Selected for a full-stack JavaScript program as one of 100 fellows out of 400+ applicants• Developed and learned MongoDB, ExpressJS, React, NodeJS + best practices from design to deployment• Leveraged knowledge: Git workflows, testing, CI/CD, agile development, MVC pattern, APIs/Microservices	Apr 2019 - May 2020 New York, NY
Software Engineering Intern RILLA VOICE <ul style="list-style-type: none">• Built 5+ iOS features pushed to production resulting in \$1 million+ in auto- loans within 8 weeks of launch• Developed geo-fences on map around bookmarked cars which trigger local notifications when breached• Created an algorithm in Swift to optimize user movement; a solution around Apple's location limitations	Feb 2019 - Aug 2019 Dallas, TX
Software Engineering Tutor CS CLUB / CS DEPT / ONLINE TEACHING <ul style="list-style-type: none">• Spearheaded cloud workshops on compute/storage/databases as part of 200 ambassadors nationwide• Distributed \$15,000+ computing credits to 300+ students/professionals on open-source and agile apps	Apr 2019 - Jun 2019 New York, NY

[Projects → 6-16 lines]

- Title | Type of project | number of hours | Github link or ReadME | Date
 - Title is 2-3 words: relatable summary of project to non-technical readers
 - Next to title mention 1 of 8 types of project
 - 1- Class Project (avoid)
 - 2- Online course Project
 - 3- Personal Project
 - 4- Team Project
 - 5- Hackathon Project
 - 6- Open-source Project
 - 7- Project with users or waitlist
 - 8- Project with revenue
 - On the same line as title mention:
 - Number of hours spent
 - Github url or live link of landing page / api if Github is private
 - Date

- First line in project section talks about “used [5-8 skills] to build [4-5 words to describe high level]”
- Second / third line mention project details to seem technically challenging and more skills and any software design patterns

EXAMPLE PROJECTS:

PROJECTS		
Robinhood Automate Trades Personal Project (~30 hours) - Github		<i>Jun 2020 - Aug 2020</i>
• Used AWS to deploy Python bot to buy/sell stock using sentiment from REST APIs on news and FDA approvals; experimenting with Tensorflow neural networks to predict stock prices based on 200- 20 day rolling averages		
COVID-19 Grocery Delivery Published App 31.6K Users (~80 hours) - App Store OR Landing Page		<i>Mar 2020 - May 2020</i>
• Used Swift to design singleton and MVC patterns to serialize and deserialize grocery lists between neighbors, local observers to trigger data changes between views, and global observers for real-time database snapshots		
Public Wi-Fi Visualization Open-Source 56 stars (~40 hours) - Github		<i>Jan 2018 - Mar 2018</i>
• Used Python to create geo-tracker feature that enabled users to locate up to 3,013 public Wi-Fi spots in real-time by leveraging NYC Open Data web hooks; Published code on open source library maintained by Cross Compute		

[Activities → 4 lines]

- Consolidate all activities, interests, awards, certificates, communities into one section within 3-4 lines (one line per activity)
- Activity section can arguably be the most important section or “tie-breaker” i.e. given 5 candidates with same or similar experiences and projects- the one with a strong activity section will tip the scales
- Activities section exist to show curiosity and eagerness or involvement in professional engineering communities outside of cs classes and work
- Activity sections show
 - **passion** for engineering beyond classroom and work
 - **association** with companies in official events or third-party networking sessions where an employee spoke about product or lifestyle
 - **technical needle** in form of weekly blogs, youtube videos
 - **business vertical** ie interest for fintech, healthtech, fashion, sports, etc

EXAMPLE ACTIVITIES:

Activities

Facebook Above & Beyond CS - Selective coding interview prep program
Impact Innovation Labs - Engage with VCs, CEOs, etc <5% acceptance
Google Cloud Campus Ambassador - Distributed \$15,000+ computing credits

Jun 2020 - Present

Jan 2020 (3 Weeks)

Apr 2019 - Jul 2019

EXAMPLE ACTIVITIES: (Spike in Hackathon Wins)

HACKATHON 1ST PLACES

1st Place NYU / Best Design by Facebook / Best startup idea [390+ UG Students](#) | [My LinkedIn Post \(80K+ views\)](#)

Mar 2020

- *Problem addressed* : raise capital for small businesses from everyday retail investors for equity
- Built real-time payments using Stripe API which can be used from Apple wallet / Apple watch

1st Place Estée Lauder / Prize : \$7,500 [270+ UG and Professionals](#) | [Final Pitch Youtube](#)

Oct 2019

- *Problem addressed* : recycle makeup bottles and redeem points for 35+ Estée sub-brands' products
- Created back-end communication on Google Cloud between B2B Store Kiosk App and B2C User App

1st Place Cornell / Prize : Dine with Bill Clinton in Scotland [320+ UG Students](#) | [Featured IBM Blog](#)

Sep 2019

- *Problem addressed* : connect NGO events with bachelor/bachelorette volunteers for Hurricane Harvey
- Developed asynchronous listeners that trigger push notifications when in 200 meter radius of NGO event