

A bit of research will be done on what is common among SWE resumes.

First is the Harvard Common resume template:

Firstname Lastname

Home or Campus Street Address • City, State Zip • youremail@college.harvard.edu • phone number

Education

Harvard University Cambridge, MA
Degree, Concentration. GPA [Note: GPA is Optional] Graduation Date Thesis [Note: Optional]
Relevant Coursework: [Note: Optional. Awards and honors can also be listed here.]

Study Abroad [Note: If Applicable] City, Country
Study abroad coursework in _____. Month Year – Month Year

High School Name City, State
[Note: May include GPA, SAT/ACT scores, or academic honors an employer may want to know] Graduation Date

Experience

Organization City, State (or Remote)
Position Title Month Year – Month Year

- Beginning with your most recent position, describe your experience, skills, and resulting outcomes in bullet or paragraph form.
- Begin each line with an action verb and include details that will help the reader understand your accomplishments, skills, knowledge, abilities, or achievements.
- Quantify where possible.
- Do not use personal pronouns; each line should be a phrase rather than a full sentence.

Organization City, State
Position Title Month Year – Month Year

- With your next-most recent position, describe your experience, skills, and resulting outcomes in bullet or paragraph form.
- Begin each line with an action verb and include details that will help the reader understand your accomplishments, skills, knowledge, abilities, or achievements.
- Quantify where possible.
- Do not use personal pronouns; each line should be a phrase rather than a full sentence.

Leadership & Activities

Organization City, State
Role Month Year – Month Year

- This section can be formatted similarly to the Experience section, or you can omit descriptions for activities.
- If this section is more relevant to the opportunity you are applying for, consider moving this above your Experience section.

Skills & Interests [Note: Optional]

Technical: List computer software and programming languages
Language: List foreign languages and your level of fluency
Laboratory: List scientific / research lab techniques or tools [If Applicable]
Interests: List activities you enjoy that may spark interview conversation

Some things you'll note about this:

1. the name is at the top along with some contact area following.
2. The education comes after with University

3. Experience follows it with name and bullets
4. Activities and leadership is a non-optional area that they have after the experience
5. Lastly, most interestingly the skills is an optional area and they also list it at the bottom.

Next is Iowa States Technical Resume:

CHRISTOPHER COMPUTATION	
ccomp4@iastate.edu (515)123-4567 linkedin.com/in/ChristopherComputation git.io/ChrisComp	
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EDUCATION	
Iowa State University <i>Bachelor of Science, Computer Science (GPA: 3.06/4.0)</i>	December 2022 Ames, IA
PROGRAMMING SKILLS	
<ul style="list-style-type: none"> • Languages (advanced): Python, Java, JavaScript, HTML, C, C# • Languages (intermediate): CSS, C++, Ruby, SQL, R • Frameworks: Django, Ruby on the Rails, Angular, React • Methodologies: Agile, Scrum, Lean, Waterfall 	
SOFTWARE DEVELOPMENT EXPERIENCE	
CYstarters <i>Co-Founder & Chief Technology Officer (CTO) of Loanly Fitness</i>	May – August 2022 Ames, IA
<ul style="list-style-type: none"> • Participated in startup accelerator program: attended educational sessions, learned from program administrators and mentors, pitched idea at networking events to refine product and business model • Led all technical facets of design, development, and maintenance for a team of three entrepreneurs • Built an app for iOS that enables the sharing of sports and fitness equipment in a virtual marketplace • Wrote maintainable, unit-tested code that is readable and self-documented to allow for future growth of coding team as product/company expands • Created product development timeline and ensured app was ready by the established launch date; established bug reporting/error tracking and continuous improvement processes 	
inSEER <i>Front End Development Intern</i>	June – December 2021 Coralville, IA
<ul style="list-style-type: none"> • Developed accessible client-facing user interface (UI) for a startup that uses novel computer vision and artificial intelligence (AI) technologies to analyze and predict work-related injuries • Implemented functionality in JavaScript and Python and page designs in HTML and CSS for a mobile-first, responsive design • Collaborated with UI team to brainstorm and implement website and mobile application from concept to deployment through coordinated scrum sprints • Assisted with research to assess UI and user experience (UX) for technical feasibility 	
MäkuSafe <i>User Interface (UI) Development Intern</i>	May – August 2020 West Des Moines, IA
<ul style="list-style-type: none"> • Maintained existing UI features, troubleshot bug reports, and implemented lead UI developer's UI fixes to ensure fully functional software as a service (SaaS) for safety management software platform • Assisted with overhaul of portal that displays environment, health, and safety (EHS) reports and real-time worker health, safety, and productivity data gathered from wearable technology • Tested updates to iOS and Android native mobile apps to ensure UI followed visual brand guidelines 	
PROJECTS	
COM S 309: Software Development Practices <i>Weightlifting Gains App</i>	January – May 2020 Ames, IA
<ul style="list-style-type: none"> • Managed front-end development responsibilities for a semester-long app development team project • Designed UI with Java in Android Studio for an app that collects user inputs (e.g., diet, weight, sleep) to recommend and track a custom strength training program; ensured inputs linked with back-end algorithm 	
LEADERSHIP & INVOLVEMENT	
<ul style="list-style-type: none"> • Hackathon Club, Membership Chair (August 2021 – Present) • oSTEM, Member • Weight Club, Member 	November 2018 – Present March 2019 – Present September 2018 – Present

Some things to note about this:

1. Starts with name and contact area
2. Goes into education with university
3. Programming skills go after
4. Experience is more specific to SE experience
5. Projects go below it

6. Lastly, the leadership is at the bottom in this template

Lastly is the “Jakes Resume”:

<h2>Jake Ryan</h2>	
123-456-7890 jake@su.edu linkedin.com/in/jake github.com/jake	
EDUCATION	
Southwestern University <i>Bachelor of Arts in Computer Science, Minor in Business</i>	Georgetown, TX Aug. 2018 – May 2021
Blinn College <i>Associate's in Liberal Arts</i>	Bryan, TX Aug. 2014 – May 2018
EXPERIENCE	
Undergraduate Research Assistant <i>Texas A&M University</i>	June 2020 – Present College Station, TX
<ul style="list-style-type: none">• Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems• Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data• Explored ways to visualize GitHub collaboration in a classroom setting	
Information Technology Support Specialist <i>Southwestern University</i>	Sep. 2018 – Present Georgetown, TX
<ul style="list-style-type: none">• Communicate with managers to set up campus computers used on campus• Assess and troubleshoot computer problems brought by students, faculty and staff• Maintain upkeep of computers, classroom equipment, and 200 printers across campus	
Artificial Intelligence Research Assistant <i>Southwestern University</i>	May 2019 – July 2019 Georgetown, TX
<ul style="list-style-type: none">• Explored methods to generate video game dungeons based off of <i>The Legend of Zelda</i>• Developed a game in Java to test the generated dungeons• Contributed 50K+ lines of code to an established codebase via Git• Conducted a human subject study to determine which video game dungeon generation technique is enjoyable• Wrote an 8-page paper and gave multiple presentations on-campus• Presented virtually to the World Conference on Computational Intelligence	
PROJECTS	
Gitlytics <i>Python, Flask, React, PostgreSQL, Docker</i>	June 2020 – Present
<ul style="list-style-type: none">• Developed a full-stack web application using with Flask serving a REST API with React as the frontend• Implemented GitHub OAuth to get data from user's repositories• Visualized GitHub data to show collaboration• Used Celery and Redis for asynchronous tasks	
Simple Paintball <i>Spigot API, Java, Maven, TravisCI, Git</i>	May 2018 – May 2020
<ul style="list-style-type: none">• Developed a Minecraft server plugin to entertain kids during free time for a previous job• Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review• Implemented continuous delivery using TravisCI to build the plugin upon new a release• Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin	
TECHNICAL SKILLS	
Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse Libraries: pandas, NumPy, Matplotlib	

Some things to note about this:

1. Starts with the name and contact information
2. Education follows with university
3. Experience (general) comes after it
4. Projects come next with detail
5. Lastly shows technical skills

Conclusion: While it's hard to have extract resumes in each template, there are a few key takeaways from this.

1. Always starts with name and contact area
2. Education follows with some sort of date about the time there or if you're currently there.
3. Experience follows in each one of these resumes but is sometimes labeled differently based off the school/ resume template. The only outlier is ISU with the skills after the education.
4. Each section has a distinct break to it whether it be a line or no text in the area besides the title

After these three same areas of a resume, each continues to split off in its own area.

- Both ISU and Jakes require skills in the resume, while Harvard doesn't
- Both ISU and Jakes have projects, while Harvard doesn't have a dedicated section
- Both ISU and Harvard have leadership area/activities while Jakes doesn't

Overall, we need to have caution after the given areas and figure out a way to parse through it or force a user to have a certain style. Some decisions we can talk about and make in the future are:

1. Which template is the "best."
2. Should we prioritize ISU over others
3. What sections are necessary for a good resume