

Crafting Your Resume

A **resume** is a concise picture of your skills and qualifications for a specific position, so length tends to be shorter and dictated by years of experience (generally 1–2 pages). For professional roles, use a resume to highlight your chronological work experience, relevant skills, and accomplishments.

Job Fit

Carefully review the job posting to which you'd like to apply. Identify the key skills, qualifications, and experiences the employer is seeking. Update your resume to highlight your relevant achievements and use similar language or keywords from the job posting. This helps your resume stand out and shows you are a strong match for the position.

Resume Checklist

- ☒ Contact information
 - Name, location (city and state only), phone number, email, LinkedIn, and GitHub
- ☒ Education
 - List degrees, school(s), and year completed or estimated date of completion
 - Include GPA if it's something you are proud of, or if it meets the minimum requirements of the position to which you are applying
 - Relevant coursework applicable to the organization or the posting
- ☒ Technical skills, tools, and certifications
 - Programming languages from strongest to weakest
 - Knowledge of software tools
 - Special skills or certifications
- ☒ Experience
 - Company name and your job title
 - Start and end dates for each position held
- ☒ Projects, posters, and presentations
 - Technical/school projects
 - Personal projects
- ☒ Publications (only include if you have ≥ 2)
- ☒ Community and leadership

Focus on Your Experience

- What did you do?
- Begin statements with action words
- Why did you do it?
- Describe tasks and responsibilities
- How did you do it?
- Use key words that demonstrate your knowledge of the field and technologies
- Include programming languages and technologies
- Quantify your work, providing stats or metrics when possible
- Size of the dataset
- Scaling code X times faster

Remember

- Resume must be clear, concise, and to the point
- Understand your audience
- Tailor resume for job applications
- Technical managers quickly scan resume for key skills and technologies
- Communicate the most high-value information on the first page
- Document each research, internship, or project experience clearly and concisely using domain-specific terminology
- Be sure you can address any information on your resume if asked
- Check for spelling and grammatical errors before submitting your resume

Action Words

Demonstrate your abilities and achievements with powerful verbs.

Computing	Engineering	Science	All Disciplines
Architected	Arbitrated	Assessed	Analyzed
Designed	Assembled	Classified	Authored
Developed	Conceptualized	Collected	Automated
Delivered	Devised	Devised	Collaborated
Deployed	Engineered	Diagnosed	Coordinated
Diagnosed	Extrapolated	Evaluated	Correlated
Implemented	Motorized	Examined	Facilitated
Integrated	Predicted	Researched	Presented
Restructured	Standardized	Sampled	Scoped
Re-engineered	Validated	Surveyed	Spearheaded
Segmented	Visualized	Uncovered	Steered

Incorporating AI Tools

Use AI as a guide—always review and personalize AI-generated content to ensure accuracy—but let your unique experiences and achievements shine through.

How to Use AI



Resume Templates & Builders

Use AI-powered resume builders (e.g., Rezi, Resume.io, Zety) to generate professional templates and layouts.

1



Content Suggestions

Input your job title and experience; AI suggests bullet points and phrasing tailored to your field.

2



Keyword Optimization

AI scans job descriptions and helps you include relevant keywords to pass Applicant Tracking Systems (ATS).

3



Grammar & Clarity Checks

AI tools (e.g., Grammarly, Quillbot) review your resume for grammar, clarity, and conciseness.

4



Personalization

AI can tailor your resume for specific jobs by analyzing job postings and customizing your skills and achievements.

5



Feedback & Scoring

Some platforms offer instant feedback and score your resume for effectiveness, readability, and ATS compatibility.

6

