

Making a Resume

You are now ready to develop a resume based on your knowledge about bioinformatics and the skills you have used while learning about genetic testing. Use the following format to create your resume. Create headings, and put examples below each heading in bullets. Resumes are often customized to meet the requirements of the job for which you are applying. Be sure to note any special qualifications you have that your potential employer is looking for.

Name
Address
Contact Information

Job Objective/Career Interest: Describe the career you are most interested in that relates to bioinformatics. You should choose from the careers you learned about during the *Genetic Testing* unit.

Knowledge/Understanding: Review each of the lessons you studied about genetic testing, as well as other lessons you have studied in class that may relate to this career, and use those skills to fill out this section. For example:

- Understanding of the genes involved in breast cancer (*BRCA1* and *BRCA2*), and why mutations in those genes can cause cancer
- Understanding of the type of information gained from family trees and Punnett squares

Skills: Review the skills you have learned and practiced from the *Genetic Testing* lessons and other exercises and lessons from your class(es). For example:

- **Laboratory Skills:** List any “wet lab” skills you have acquired. For example:
 - DNA purification
 - Polymerase Chain Reaction (PCR)
- **Bioinformatics Skills:** List each general **type** of bioinformatics program that you have used, the specific program(s) in parentheses, and then what you can use those programs to do. For example:
 - Molecular Structure Visualization Software (Cn3D): Use Cn3D to identify sites of mutations in proteins, and relate those mutations to impacts on protein function.
- **Professional Skills:** List any additional skills you have acquired that are beneficial for this career. For example:
 - Writing a research report
 - Creating scientific posters
 - Teamwork
 - Microsoft Office (Word®, Excel®, Powerpoint®)

Research Experience: Describe your experience designing an experiment to answer a testable question. Describe your research project(s).

- Designed a research experiment to test....