Quantitative Resume Instructions

Columbia Climate School's **MS in Climate Finance** program is an interdisciplinary degree that integrates climate studies with fundamental financial management practices that equip students with the financial decision-making skills to respond to climate change. A quantitative resume gives the admissions committee a sense of an applicant's quantitative ability and potential.

Please format the information in a manner that it can be read quickly, as in a job resume. The following may be included:

- Quantitative Academic Experience - list coursework including, but not limited to mathematics, statistics, economics, logic, calculus, linear algebra, information technology, data analysis, methodology course, and engineering. Include the institution, grade earned, date of course, main concepts covered.
- Quantitative Professional Experience - list substantive projects completed in a professional, co-curricular, volunteer, or internship setting including a brief summary of any analytical skills acquired (e.g. data analysis software, programming,) or quantitative work entailed in the project. There may be some overlap with your professional resume.

This document contains a sample résumé that is meant to provide some guidance on what information will be helpful for the Admissions Committee as we evaluate your application. It is acceptable if some of the information included in this résumé overlaps with your standard/traditional résumé.

The résumé below is only a sample and is meant to act as a guide. You are free to use a different format and include information you feel is appropriate

Quantitative Academic Experience - First Name Last Name

Subject	Course	Grade	Concepts Covered
Mathematics	Calculus I: Columbia University Fall 2022.	A-	**Major concepts covered**: functions, logarithms, limits, derivatives and rates of change, product and quotient rules, the chain rule, differentiation, optimization, l'hospital's rule, the mean value theorem, antiderivatives, integrals and the fundamental theorem of calculus
Mathematics	Linear Algebra: Columbia University Spring 2022.	A	**Major concepts covered**: Linear systems, matrix algebra, linear transformations, orthogonality, Fourier analysis, data fitting, inner product spaces, diagonalization, Jordan normal form.
Statistics	Intro to Statistics: Columbia University Fall 2021	A	**Major concepts covered**: Topics include design of experiments, descriptive statistics, correlation and regression, probability, chance variability, sampling, chance models, and tests of significance.
Economics	Intermediate Macroeconomics : ColumbiaUniversity Fall 2021	B+	**Major concepts covered**: This course covers the determination of output, employment, inflation and interest rates. Topics include economic growth, business cycles, monetary and fiscal policy, consumption and savings and national income accounting.

Quantitative Professional Experience - First Name Last Name

Skill Set	Organization/Job Title	Details
Financial Analysis	Bulge Bracket Investment Bank – Investment Banking Analyst Summer 2023 - Present	- Perform valuation analyses using various methodologies including discounted cash flow, leveraged buyout, trading comparables and transaction comparables - Build detailed financial models to evaluate performance under various operating scenarios and to analyze the impacts of different capital structures and potential M&A transactions
Pattern Analysis	Bulge Bracket Investment Bank – Investment Banking Analyst Summer 2023 - Present	- Aggregated large disparate data sets, and subsequently performed advanced statistical analyses - Compared data from the same sample set from two different time intervals to determine patterns and trends over time
Presentation Experience	Bulge Bracket Investment Bank – Investment Banking Analyst Summer 2023 - Present	- Created and presented infographic display of statistical analysis - Prepare presentation materials for use in client meetings, covering topics such as strategic alternatives, capital markets activity and general corporate finance
Data Analysis	WHO – Intern Summer 2022	- Analyzed health/malaria data and wrote policy recommendations - Performed benchmark analysis and impact evaluations Designed survey questionnaire, conducted survey and analyzed survey data