

# Sample #1: Job Ad **STEM**

Highlight key words to use in cover letter & resume

Facebook

Quantitative Analyst Intern, Summer 2016

Applications are due by XXXXX at 11:59pm PST. Our team will review applications on a rolling basis and it's in the candidate's best interest to apply early. All hiring will be completed by April 2016.

Facebook's statisticians and quantitative analysts work within our Software Engineering organization, including Life Sciences, Geo, Project Aura, Technical Infrastructure, and Advertising. We analyze huge sets of data and continually run live experiments in order to help drive critical decisions at Google. Specifically, we support the development of innovative, highly scalable, next-generation technologies through deep research and precise analysis.

Responsibilities

- Provide research on topics including Facebook's business model and novel search techniques.
- Produce quantitative and qualitative modeling of business dynamics, user behavior, etc.
- Identify areas for further investigation as well as creating innovative methods of analysis.

Minimum qualifications

- Currently pursuing a BS, MS or PhD in statistics, computer science, mathematics, economics, biostatistics, psychology, sociology, physics, operations research, electrical engineering, or another discipline involving experimental design and quantitative analysis of experimental data.
- Must be enrolled in a full-time degree program and returning to the program after the end of the internship.
- Experience using technology to work with datasets such as scripting, Python, statistical software packages (R, S-Plus, SAS or similar).

Address the qualifications you meet

Preferred qualifications

- Experience with statistical data analysis such as linear models, multivariate analysis, stochastic models, and sampling methods.
- Experience with Unix/Linux.
- Strong track record of developing intellectual capital such as published works.

Area

Engineering & Operations at Facebook is and always will be an engineering company. We hire people with a broad set of technical skills who are ready to take on some of technology's greatest challenges and make an impact on millions, if not billions, of users. At Facebook, engineers not only revolutionize search, they routinely work on massive scalability and storage solutions, large-scale applications and entirely new platforms for developers around the world. From AdWords to Chrome, Android to YouTube, Social to Local, Facebook engineers are changing the world one technological achievement after another.

# Sample #1: Resume STEM

DO NOT PLAGIARIZE THESE EXAMPLES! USE OWN WORDS

## Stuart Sample

Mobile: 805-456-1234

Email: stuartsample@gmail.com

LinkedIn: linkedIn.com/in/stuartsample

OBJECTIVE:	To secure the position of Quantitative Analyst at Facebook.	
EDUCATION:	University of California, Santa Barbara, CA <b>Ph.D. in Physics</b> <ul style="list-style-type: none"><li>Fall 2013 Honorable Mention for NSF Graduate Research Fellowship, an annual grant for three years tuition and full stipend.</li><li>Spring 2015 Recipient of Smith Fellowship, an annual grant providing a stipend to mentor a promising undergraduate student.</li></ul>	Expected June 2018
	North Carolina State University, Raleigh-Durham, NC <b>B.S. in Physics, Magna Cum Laude</b> <ul style="list-style-type: none"><li>Awarded Fulbright Prize for the graduating senior who manifests the most promise in experimental physics.</li><li>Awarded the Hope and Bryan Undergraduate Scholarship.</li></ul>	May 2013
RELEVANT EXPERIENCE	<b>Graduate Researcher at the CERN LHC</b> , Geneva, Switzerland Division of Physics, University of Santa Barbara <ul style="list-style-type: none"><li>Performed feature engineering for group's search for new physics.</li><li>Implemented data driven corrections to Monte Carlo simulation.</li><li>Presented findings to 10-person group in biweekly meetings.</li><li>Published results in part of an internal note, pending external publication.</li></ul>	Summer 2014 & 2015
	<b>Summer Research Intern at NASA</b> , Huntsville, AL <ul style="list-style-type: none"><li>Co-authored breakthrough publication of research in <i>Science</i>, the worlds second most complete scientific journal.</li><li>Collaborated in analysis of Doppler velocity maps of the sun taken by the NASA SDO mission.</li><li>Contributed to implementation of new cross-correlation technique.</li></ul>	June-August 2012
	<b>Summer Intern at Finger lakes Technology Group</b> , Harts, WA <ul style="list-style-type: none"><li>Provided support for Linux Redhat servers.</li><li>Designed and built high performance server from barebones parts.</li></ul>	June-September 2011
SUMMARY OF QUALIFICATIONS	Primary Languages: Python, C++, LaTeX Secondary Languages: Mathematica, IDL, Java, Linux Data Analysis: Feature engineering, Monte Carlo, Statistical hypothesis testing Machine Learning: Linear Regression, Decision Trees, Neural Networks Leadership: Participated in student senate for 2 years, acted as Chair in 2 <sup>nd</sup> year. Teaching Assistant: Particle Physics, Quantum Mechanics, Linear Algebra, Mechanics	
PERSONAL PROJECTS	Regular participant in Kaggle competitions	September 2015-Present
PUBLICATIONS & CONFERENCES	<ol style="list-style-type: none"><li>Name, Name, and Sample, "Title of article", <i>Science</i> 341, 1200-1202 (2012).</li><li>AGU Spring Meeting 2012 – An Investigation of Giant Cells and Associated Momentum Movement"</li><li>Name, name, Sample, and name, "Title of article", CERN Internal Note, pending outside publication.</li></ol>	

Job Ad specifically asked for publications

Often it's better to list experience of research project and put publication list on an addendum or LinkedIn and not take up space in resume