Lakshay Akula

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EDUCATION

Harvey Mudd College - Claremont, CA   May 2017
Bachelor of Science in Computer Science and Mathematics
GPA: 3.53   Dean's List (all semesters)   Robert Day Scholar   Harvey S. Mudd Scholar
Courses: Operations Research, Corporate Finance, Cost Management, Computer Systems, Algorithms
Awards: Runner-up at Deloitte, Accenture and RDS Case Competitions; Top 750 Putnam Competition

EXPERIENCE

Associate Consultant, **Bain & Company** - Los Angeles, CA   Starting Aug 2017

Consultant, **West Monroe Partners** - Seattle, WA   Jun 2016-Aug 2016
- Managed the development and integration of a loan origination software at a national mortgage lender
- Researched CRM options, contacted vendors, and presented recommendations to senior executives
- Analyzed 300 cybersecurity acquisition targets and delivered a detailed report for internal use
- Created operational dashboards in Excel and Power BI for a bank acquisition and credit union merger
- Developed and ran an internal training session on Excel, Power BI, and the ETL process

Statistician, **Niagara Bottling, Engineering Clinic** - Claremont, CA   Aug 2016-Present
- Identifying the dominant factors resulting in capping defects through simulation and experimentation
- Analyzing data from factory operations and experiments in R and Python to identify optimal parameters
- Projected to reduce the number of defective bottles by 2.5 million, saving costs and cutting waste

Team Leader, **Lowe Institute of Political Economy** - Claremont, CA   Feb 2014-Present
- Forecast the economy of the Inland Empire quarterly using MATLAB, STATA and Excel
- Present results to businesses and policymakers at the UCLA Anderson Forecast Conference
- Train 20 research assistants on how to use Excel, STATA, and econometric concepts

Analyst, **Los Angeles Mayor's Office** - Los Angeles, CA   May 2015-Jul 2015
- Developed JavaScript visualizations for the City of Los Angeles' $8 billion budget and legal code
- Implemented CompStat management policies in city departments and ran GIS training workshops

File Systems Researcher, **Stony Brook University** - Stony Brook, NY   Jun 2014-Aug 2014
- Developed hill climbing algorithms in Python to find optimal server configurations
- Found hardware configurations which improved server read-write performance by up to ten-fold

PROJECTS

Cool Beans an iOS application that lets anyone taste coffee like a professional   Ongoing
Triangle Eater a video game built in Lua and featured in the LÖVE 2D game engine wiki   Mar 2016

LEADERSHIP

President, **Mudd Investment Fund**   Sep 2013-Present
Mathematics AE Tutor, **Harvey Mudd College**   Apr 2015-Present
President and Founder, **Coffee Club**   Sep 2015-Present

SKILLS

Technical: Swift, C/C++, Java, Python, R, Haskell, Lua, JavaScript, SQL, MATLAB
Tools/Applications: Xcode, Git/Subversion, LaTeX, Standard Linux and OS X Tools, Microsoft SSMS