NEYMIKA JAIN

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EDUCATION

California Institute of Technology *September 2017 - Present*
Applied + Computational Mathematics (ACM) Overall GPA: 3.4
Business, Economics, and Management (BEM)

The Harker School *September 2014 - May 2017*
DECA, FRC, TEAMS, and State Science Fair Award Winner Overall GPA: 4.3
National Toxicology Conference Presenter and ASIO Best Abstract Award Winner

TECHNICAL STRENGTHS

Computer Languages Python, C#, Java, C++, MATLAB, R, Octave
Software & Tools LaTeX, Excel, Mathematica, Github, Visual Studios

EXPERIENCE

Goldman Sachs June 2018 - August 2018
Virtual Insight Series

· Selected from over 2,000 candidates for a three-month program
· Learned about stock market forecasting and maintenance through weekly online conferences and assignments

Microsoft June 2018 - September 2018
Explorer Intern

· Added configuration capabilities to Bot Framework using Azure Storage
· Improved conversational ability by 20% for the Financial Support assistant using language understanding services (LUIS) and developing an Entity recommendation algorithm for previous queries

Stanford June 2015 - March 2017
Research Intern

· Under Dr. Daniel Rubin, created a semi-automated scorer with high accuracy for HER2 immunohistochemistry images using LASSO and SVM regression analysis
· Under Dr. Supekar, used national longitudinal data to determine the role of APOE- $\varepsilon 4$ on cognitive impairment using Support Vector Machine (SVM), Random Forest, and Naive Bayes classification analysis

FIRST Robotics August 2013 - May 2017
Executive Managing Director, VP of Software

· Planned 12 events at 4 separate venues for 500+ FIRST members. Handled PR, essays, and the lab. Promoted to the highest position - reported directly to Board of Directors
· Used HSL-based blob-finding algorithms for object identification in images. Used convex hull and Jarvis march algorithms to refine object boundaries and selection for autonomous robot vision

RELEVANT COLLEGE COURSES

Core Courses
Introductory Computer Science
Introductory Programming Methods
Calculus & Linear Algebra
Introductory Physics & Chemistry
Introductory MATLAB & Mathematica

Future Fall Courses
Machine Learning Systems
Applied Linear Algebra
Differential Equations
Discrete Mathematics
Introductory Political Science

COLLEGE ORGANIZATIONS

HackTech Organizer, Teaching Assistant for Introduction to Computer Science
Health Advocate, Board of Control Representative, Society of Women Engineers (SWE)