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
· Built technical and soft skills 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 personal algorithm

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	**Future Fall Courses**
Introductory Computer Science	Machine Learning Systems
Introductory Programming Methods	Applied Linear Algebra
Calculus & Linear Algebra	Differential Equations
Introductory Physics & Chemistry	Discrete Mathematics
Introductory MATLAB & Mathematica	Introductory Political Science

COLLEGE ORGANIZATIONS

HackTech Organizer - Helped organize life-size Jenga for 50+ hackers

Health Advocate, Board of Control Representative, Society of Women Engineers (SWE)