Uma M Girkar

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(408) − 429 − 0289

EDUCATION

Massachusetts Institute of Technology   June 2017

Candidate for BS in Computer Science with a Concentration in Economics

GPA: Not Available due to MIT's Pass/No Record Grading System

Homestead High School   June 2013

WORK EXPERIENCE

MeCommerce, Inc   Jan 2014
- Computer vision engineering intern for ThirdLove, a brand of MeCommerce, an online retail company offering mobile applications for goods

Stanford University Department of Computer Science   June − Aug 2013
- Conducted research in the area of transactional memory (TM)
- Modified the STM7Benchmark, a benchmark containing a lock-based synchronization strategy for evaluating TM implementations, to allow it to run on the Rochester Software Transactional Memory (RSTM) framework in C++

US Naval Undersea Warfare Center   Jun − Aug 2012
- Researched the applications of digital image processing for object detection using MATLAB
- Developed an algorithm that implemented mathematical morphological operations and Bayesian networks for object detection in low signal—to-noise ratio side-scan SONAR images

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LEADERSHIP EXPERIENCE

Society for Women Engineers
Mason Magellan Project Chair
- Stimulated the interest of disadvantaged students in learning science by conducting hands-on science lab activities on various concepts every week

$100K Entrepreneurship Competition
Leadership Team Member
- Managing the competition content for the Events Committee in organizing the Pitch Finale, Accelerate, and Launch Contests that are about presenting ideas, executing them, and developing business plans respectively

Network of Sloan Undergraduate Women Executive Board
Internal Relations Chair
- Responsible for maintaining a cohesive and supportive membership development program for MIT's largest undergraduate diversity business club
- Devising a seminar series overview of business and finance and a mentorship program between upperclassmen and underclassmen

Undergraduate Association Public Relations and Technology Systems Group
Executive Committee Member
- Helping redesign the Undergraduate Association Website and apply other technical skills for various UA projects
- Developing the Undergraduate Association's communication strategy on campus and execute it through Facebook events, emails, and posters
- Gaining experience in project management and team collaboration

Ekal Vidyalaya Foundation of USA
Fundraiser
- Raised over $1000 in funds for schools that help educate rural and tribal children in India

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SKILLS

Computer Programming Languages: Java, MATLAB, Python, Pascal, and Logo

Computer Applications: Microsoft Word, Excel, and Powerpoint

HONORS AND AWARDS

American Society for Engineering Education Apprenticeship Award, National Advanced Placement (AP) Scholar, Semifinalist in FIRST Robotics Regional Competition, Bausch and Lomb Honorary Science Award, Rochester Institute of Technology Computing Medal, National Merit Commended