Priya Garg

3 Ames St., Cambridge, MA, 02139 gargp@mit.edu (850) 346-2971

EDUCATION

Massachusetts Institute of Technology (MIT) *Cambridge, Massachusetts*
Candidate for Bachelor of Science in Mechanical Engineering with a focus in Biological Engineering June 2015

Pensacola High School *Pensacola, Florida*
International Baccalaureate (IB) & High School Diplomas w/ Highest Honors GPA: 5.26/4 Valedictorian May 2011

EXPERIENCE

Biomechatronics Group at MIT Media Lab *Cambridge, Massachusetts* Mar 2012 - Present
Undergraduate Researcher

- Developing Python-based program to interface the control of motion-capture software and other sensors for a novel ankle prosthesis automatic adjustment system.
- Conducting human motion-capture trials for data collection on amputee subjects.

Griffith Lab at MIT *Cambridge, Massachusetts* Nov 2011 – Mar 2012
Undergraduate Researcher

- Investigated alternate expression pathways to increase purity of a protein involved in optimizing the binding of mesenchymal stromal cells to scaffolds that promote cell growth when placed in large segmental bone fractures.

Institute for Human and Machine Cognition *Pensacola, Florida* Jun 2010 – Apr 2011
Intern

- Co-Created *techConnect*, an ongoing program to promote engagement in technology in elementary-age students.
- Co-directed *ScratchThat!*, the first effort of *techConnect*, by designing engagement strategies, materials, and a curriculum to teach Scratch (an elementary programming language).
- Instructed test group of 15 students in an at-risk area and led weekly Scratch Club sessions the year following.
- Developed a website to host curriculum and other materials: http://www.ihmc.us/groups/techconnect/.

Pensacola Invitational (PI) Math Competition *Pensacola, Florida* Jun 2010 – Mar 2011
Co-Organizer

- Promoted youth engagement in mathematics by organizing a middle-school math competition with a classmate. 75 students competed, and there were approximately 30 combined judges, volunteers, and speakers
- Managed event logistics such as coordinating with the county and school administration, securing a location, fundraising $1000, creating test materials, and providing refreshments/lunch.

Physics Department at the University of West Florida *Pensacola, Florida* Mar 2010 – Nov 2010
Intern

- Examined liquid crystals' behavior near three phase transitions under varying input voltage and frequency using LabView.
- Co-contributor of "Investigation of Dielectric Properties of Liquid Crystals Near Phase Transitions" (presented at 2010 International Liquid Crystals Conference in Krakow) and finalist at Intel® International Science & Engineering Fair.

LEADERSHIP AND ACTIVITIES

MIT Society of Women Engineers (http://www.swe.mit.edu)
Event Outreach Co-Chair Feb 2012 - Present

Contributing to all outreach programs organized by MIT SWE.

MIT Techfair (http://www.techfair.mit.edu)
Logistics Committee Member, Techtalks Committee Member Oct 2011 - Present

Led organization of Techfair Banquet. Coordinated with tech speakers, caterers, facilities, custodial services and hotels to organize fair and associated events.

Pensacola High School Robotics Club
Founder, President (2009 – 11), Engineering Notebook Project Leader (2009 – 11) Aug 2009 – May 2011

Recruited members, fundraised, and led our club to participate in two competitions: BEST Robotics and the USA Electrathon.

SKILLS AND INTERESTS

Computer Proficient: Python, Microsoft Office Suite (Word, Excel, PowerPoint, Publisher). Working Knowledge: Java, LabView
Languages English, Hindi (conversationally fluent), Spanish (basic)
Interests Healthcare Reform, Large Event Planning, Hiking, Creative Writing, Soccer, Traveling