Meha Goyal Kumar

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY **MAY 2020**
Candidate for Bachelor of Science Computer Science
Current GPA: 4.00/4.00

SKILLS

PROGRAMMING:	Python, MATLAB, HTML/CSS
COURSEWORK:	Multivariable Calculus, Linear Algebra, Discrete Math, Differential Equations
LAB:	Steel sample preparation, tensile tests, metal polishing, circuit building
INSTRUMENTATION:	Servo-hydraulic tensile tester, SEM, breadboards, multimeter

PROJECTS

UNDERGRADUATE RESEARCH, MSE RESEARCH SCHOLARS PROGRAM **JAN 2017-DEC 2017**
Georgia Tech
· Studied Advanced High Strength Steels (AHSS) across various strain rates
· Quantified fracture surfaces and microstructures of AHSS using stereology
· Analyzed data using MATLAB and Excel and presented findings at a poster session

HARDWARE HACKATHON, BEST DESIGN **APRIL 2017**
Georgia Tech
· Built a touch-sensitive map of campus to teach Dijkstra's Algorithm using Arduino
· Designed a graph of campus using Inkscape and laser cut from acrylic

WOMEN'S TECHNOLOGY PROGRAM FINAL PROJECTS **JULY 2015**
MIT
· Coded the video game Tetris in Python using object-oriented programming
· Built an electric motor in two days

LEADERSHIP

COLLEGE OF COMPUTING, TEACHING ASSISTANT **JAN 2017-PRESENT**
Georgia Tech
· Instructed students on MATLAB coding and introductory computer science
· Taught recitations of 50 students, tutored one-on-one, created tests, graded tests
· Worked with other teaching assistants to create a challenging yet comprehensive course

THEGIRLCODEPROJECT, LECTURER AND MENTOR **JAN 2017- AUG 2017**
Georgia Tech
· Lectured middle school girls on introductory computer science
· Guided the girls in designing STEM-themed video games in Python
· Mentored a team of girls once a week through Summer to aid their project

AWARDS AND HONORS

MSE RESEARCH SCHOLARSHIP, RECIPIENT	**JAN 2017**
PPD SCHOLARSHIP, RECIPIENT	**AUG 2016-PRESENT**
SOCIETY OF AMERICAN MILITARY ENGINEERS SCHOLARSHIP, RECIPIENT	**AUG 2016**
DEAN'S LIST, GEORGIA INSTITUTE OF TECHNOLOGY	**ALL SEMESTERS**