Meha Goyal Kumar

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY   **MAY 2020**
Candidate for Bachelor of Science Computer Science and Minor in Spanish   Atlanta, GA
Current GPA: 4.0/4.0

SKILLS

PROGRAMMING:	Java, Python, MATLAB, HTML/CSS
LAB:	Steel sample preparation, tensile tests, metal polishing, fractography

PROJECTS

IDEA TO PROTOTYPE   **AUG 2017-DEC 2017**
· Developed software for Raspberry Pi in Python, explored networking over WiFi   Atlanta, GA
· Enabled intuitive interaction with 3D software for engineers and artists

UNDERGRADUATE RESEARCH, MSE RESEARCH SCHOLARS PROGRAM   **JAN 2017-DEC 2017**
· Studied Advanced High Strength Steels (AHSS) across various strain rates   Atlanta, GA
· Analyzed data using MATLAB and Excel and presented findings at a poster session

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

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

LEADERSHIP

COLLEGE OF COMPUTING, TEACHING ASSISTANT   **JAN 2017-PRESENT**
· Instructed students on MATLAB coding and introductory computer science   Atlanta, GA
· 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**
· Lectured middle school girls on introductory computer science   Atlanta, GA
· 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, MERIT-BASED	**JAN 2017**
PPD SCHOLARSHIP, MERIT-BASED	**AUG 2016-PRESENT**
SOCIETY OF AMERICAN MILITARY ENGINEERS SCHOLARSHIP, MERIT-BASED	**AUG 2016**
ENGINEERING AND TECHNICAL SCIENCE ACHIEVEMENT SCHOLARSHIP, MERIT-BASED	**AUG 2016**