

Meha Goyal Kumar

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Candidate for Bachelor of Science Computer Science and Minor in Spanish

Current GPA: 4.0/4.0

MAY 2020

Atlanta, GA

SKILLS

PROGRAMMING: Java, Python, MATLAB, HTML/CSS, git

LAB: Steel sample preparation, tensile tests, metal polishing, fractography

PROJECTS

IDEA TO PROTOTYPE

AUG 2017-DEC 2017

- Participating in competitive research program to prototype an idea with funding
- Developing software to create a plug-and-play 3D sensing case

Atlanta, GA

UNDERGRADUATE RESEARCH, MSE RESEARCH SCHOLARS PROGRAM

JAN 2017-DEC 2017

- 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

Atlanta, GA

HARDWARE HACKATHON, BEST DESIGN

APRIL 2017

- 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

Atlanta, GA

WOMEN'S TECHNOLOGY PROGRAM FINAL PROJECTS

JULY 2015

- Coded the video game Tetris in Python using object-oriented programming
- Built an electric motor in two days

MIT

LEADERSHIP

COLLEGE OF COMPUTING, TEACHING ASSISTANT

JAN 2017-PRESENT

- 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

Atlanta, GA

THEGIRLCODEPROJECT, LECTURER AND MENTOR

JAN 2017- AUG 2017

- 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

Atlanta, GA

AWARDS AND HONORS

MSE RESEARCH SCHOLARSHIP, MERIT-BASED, RECIPIENT

JAN 2017

PPD SCHOLARSHIP, MERIT-BASED, RECIPIENT

AUG 2016-PRESENT

SOCIETY OF AMERICAN MILITARY ENGINEERS SCHOLARSHIP, RECIPIENT

AUG 2016