

Meha Goyal Kumar

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Candidate for Bachelor of Science in Computer Science and Minor in Spanish
Current GPA: 3.96/4.00

MAY 2020

Atlanta, GA

SKILLS

PROGRAMMING: Java, C, C#, Python, JavaScript, MATLAB, HTML/CSS

TECHNICAL: git, SVN, .NET, Android Development Studio, Agile Development

EXPERIENCE

JDA SOFTWARE, SOFTWARE ENGINEERING INTERN

MAY 2018-AUG 2018

- Designed and coded new software architecture for APIs in a team
- Wrote unit tests, integration tests, and automated UI tests for deployed code

Roswell, GA

UNDERGRADUATE RESEARCH, MSE RESEARCH SCHOLARS PROGRAM

JAN 2017-DEC 2017

- Studied Advanced High Strength Steels (AHSS) across various strain rates
- Analyzed data using MATLAB and Excel and presented findings at a poster session

Atlanta, GA

IDEA TO PROTOTYPE

AUG 2017-DEC 2017

- Enabled intuitive interaction with 3D software for engineers and artists
- Developed software in Python, explored networking with Raspberry Pi

Atlanta, GA

HARDWARE HACKATHON, BEST DESIGN AWARD

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 AT MIT FINAL PROJECTS

JULY 2015

- Coded the video game Tetris in Python using object-oriented programming
- Built an electric motor from scratch in two days with a partner

Cambridge, MA

LEADERSHIP

COLLEGE OF COMPUTING, SENIOR TEACHING ASSISTANT

JAN 2017-PRESENT

- Taught recitations on MATLAB coding and introductory computer science
- Managed a team of 20 people to create and edit exams

Atlanta, GA

THEGIRLCODEPROJECT, LECTURER AND MENTOR

JAN 2017- AUG 2017

- Taught middle school girls introductory computer science and coding
- Mentored girls through designing a STEM-themed video game in Python

Atlanta, GA

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

JAN 2018