Meha Goyal Kumar

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY	MAY 2020
Candidate for Bachelor of Science in Computer Science and Minor in Spanish	Atlanta, GA
Current GPA: 3.96/4.00	

SKILLS

PROGRAMMING:	Java, C, C#, Python, JavaScript, MATLAB, HTML/CSS
TECHNICAL:	git, SVN, ASP.NET, Android Development Studio, Agile Development

EXPERIENCE

JDA SOFTWARE, SOFTWARE ENGINEERING INTERN — MAY 2018-AUG 2018 — Roswell, GA
· Designed and coded new software architecture for RESTful APIs in C# backend code
· Wrote unit tests, integration tests, and automated UI tests for deployed code

EXPRESSIVE MACHINERY LAB, UNDERGRADUATE RESEARCH — AUG 2017-PRESENT — Atlanta, GA
· Developed models of novelty and quality for robot characters in virtual reality
· Utilized TensorFlow to complete this machine learning project

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

PROJECTS

COLLEGE OF COMPUTING HACKATHON — FEB 2018 — Atlanta, GA
· Developed a web application to crowdsource information on faulty campus printers
· Implemented using SQLite, Flask, and Python on the backend and HTML/CSS for frontend

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

HARDWARE HACKATHON, BEST DESIGN AWARD — APRIL 2017 — Atlanta, GA
· 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 AT MIT FINAL PROJECTS — JULY 2015 — Cambridge, MA
· Coded the video game Tetris in Python using object-oriented programming
· Built an electric motor from scratch in two days with a partner

LEADERSHIP

COLLEGE OF COMPUTING, SENIOR TEACHING ASSISTANT — JAN 2017-present — Atlanta, GA
· Taught recitations on MATLAB coding and introductory computer science
· Managed a team of 20 people to create and edit exams

THEGIRLCODEPROJECT, LECTURER AND MENTOR — JAN 2017- AUG 2017 — Atlanta, GA
· Taught middle school girls introductory computer science and coding
· Mentored girls through designing a STEM-themed video game in Python

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