MELISSA GEORGE

CS / MATH
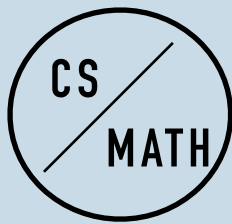
COURSE HIGHLIGHTS

+ Computer Science

Data Structures & Algorithms
Programming & Data Structures
Computing for Comp. Scientists
Intro Computers & Programming

+ Mathematics

Graph Theory & Combinatorics
Principles of Analysis
Linear Algebra
Calculus I - IV
Intro Statistics

IN MY FREE TIME

+ Personal Programming Projects:

Sudoku Solver
Chromatic Number Calculator
Ramsey Number Calculator

+ Member of GEECS - Girls in
Electrical Engineering &
Computer Science

LANGUAGES

C++	+ + + + +
Java	+ + +
SQL	+ + +
Javascript	+ +
MATLAB	+ +
HTML / CSS	+ +

ABOUT ME

I am passionate about computer science and mathematics because I love to visualize, play with, and solve difficult problems. I also love teaching and discussing interesting problems with others.

WORK EXPERIENCE

SOFTWARE ENGINEERING INTERN
CME Group / May 2017 - Present
Worked on an Agile development team, helping to move a legacy application to a more modern framework by updating SQL queries, web UI, and backend Java processes.

MATH & COMPUTER SCIENCE TUTOR
UM Academic Success Program / September 2016 - April 2017
Helped students to develop their mathematical intuition & algorithmic thinking skills through demonstration & practice.

COMPUTER CONSULTANT
UM Departmental Computing Organization / July - August 2016
Performed troubleshooting of technical issues for engineering students & faculty. Learned myriad skills relating to scripting, system administration and hardware.

ROBOTICS INSTRUCTOR / SUMMER CAMP LEADER
UM Women in Science & Engineering / June - July 2016
Taught programming skills to high school students, created challenges for them to solve, and served as a mentor.

UNDERGRADUATE RESEARCH ASSISTANT
UM Molecular & Integrative Physiology / Oct 2015 - April 2016
Studied the role of proteins in the human nervous system by performing experiments, collecting data, analyzing results, and presenting findings.

EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR
September 2015 - Present
+ Junior in the College of Literature, Science, & Arts
+ Expected B.S. Computer Science, April 2019
+ Expected B.S. Mathematics, April 2019
    + Mathematical Sciences Program
    + Concentration in Discrete & Algorithmic Methods
+ GPA: 3.796 / 4.000
+ University Honors, all semesters

GRAND BLANC HIGH SCHOOL
September 2011- May 2015
+ Valedictorian in class of 650 students
+ National Merit Scholar

CONTACTS
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