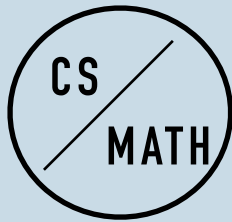


MELISSA GEORGE



COURSE HIGHLIGHTS

+ Computer Science

Intro Computer Organization
Foundations of Computer Science
Data Structures & Algorithms
Programming & Data Structures
Discrete Math
Computing for Comp. Scientists
Intro Computers & Programming

+ Mathematics

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

LANGUAGES

C++ + + + + +

Java + + +

SQL + + +

Javascript + +

MATLAB + +

HTML / CSS + +

FAMILIAR WITH

+Git
+Unix
+Atlassian JIRA
+Bash Scripting
+Agile Development
+Bamboo Continuous Integration



ABOUT ME

I am passionate about computer science and mathematics because I love to visualize, play with, and solve difficult problems. I am seeking a software engineering internship for Summer 2018.



EXPERIENCE

INSTRUCTIONAL AIDE

UM College of Engineering / September 2017 - Present

+Taught a weekly lab section and assisted with office hours for EECS 280 - Programming & Data Structures

SOFTWARE ENGINEERING INTERN

CME Group / May 2017 - August 2017

+Collaborated with an Agile development team to transition legacy web application from GWT to AngularJS
+Optimized SQL queries to improve run times
+Debugged Java processes to correct user-reported errors
+Implemented improved error handling system in Javascript

MATH & COMPUTER SCIENCE TUTOR

UM Academic Success Program / September 2016 - April 2017

+Helped students to develop their mathematical intuition & algorithmic thinking skills
+Taught students to program, test, and debug in C++

COMPUTER CONSULTANT

UM Departmental Computing Organization / July - August 2016

+Performed troubleshooting of technical issues for Electrical Engineering and Computer Science students and faculty
+Learned myriad skills relating to Bash scripting, system administration, and hardware

ROBOTICS INSTRUCTOR / SUMMER CAMP LEADER

UM Women in Science & Engineering / June - July 2016

+Taught basic programming skills to high school students using Lego robots and a C-like programming language

UNDERGRADUATE RESEARCH ASSISTANT

UM Molecular & Integrative Physiology / Oct 2015 - April 2016

+Performed experiments, collected data, and analyzed results in order to study the role of proteins in the nervous system



EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR

September 2015 - Present

+ Expected B.S. Computer Science, April 2019
+ Expected B.S. Mathematical Sciences, April 2019
+ Concentration in Discrete & Algorithmic Methods
+ GPA: 3.796 / 4.000
+ University Honors, all semesters

CONTACT

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