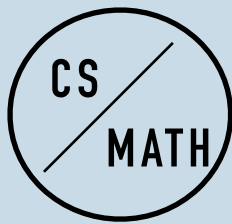


MELISSA GEORGE



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	++
AngularJS	++
HTML / CSS	++

EXPERIENCE 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 love to make software better, smarter, faster.



WORK EXPERIENCE

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

- + 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

CONTACT

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