Trevor Rees

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EDUCATION

University of Michigan College of Engineering   Ann Arbor, MI
Bachelor of Science and Engineering in Computer Science   Expected Spring 2018
> GPA: 3.968
> September 2014-Present
> Dean's Honor List-Fall 2014, Winter 2015, Fall 2015, Winter 2016

Emphasis In:

Programming and Data Structures	Computer Organization*
Data Structures and Algorithms	Computer Security*
Logic Design	Web Systems*
Database Management Systems	
*-Currently Enrolled	

RELEVANT SKILLS

Programming Languages: C++, Java, Python, basic knowledge of JavaScript
Other Technical Languages: MATLAB, SQL, HTML, basic knowledge of MongoDB
Programs and Environments: XCode, Oracle, MySQL

MAJOR PROJECTS

SillyQL (Data Structures and Algorithms)   March 2016
This C++ program created a database where users could create new tables storing multiple data types. It provided the ability to:
- Add, print, and delete rows from a table
- Create indices on columns in tables for quick access
- Compare and join two similar tables

This project utilized hash tables and binary search trees to efficiently access and edit tables.

Logging and Recovery (Database Management Systems)   November 2016
This C++ program implemented write-ahead logging (WAL) and the ARIES recovery algorithm for a simulated database.
- Logged changes made to the database and periodically wrote the log to stable storage
- In the event of a system crash, restored database to its state prior to the crash

ACTIVITIES

Michigan Marching Band (Trumpet): Member: August 2014-Present
                                                   Rank Leader: August 2016-Present

Michigan Hockey Band (Trumpet):   October 2014-Present

WORK EXPERIENCE

Kroger   May 2015-August 2015, May 2016-August 2016
- Stocked and organized shelves for efficient customer access
- Assisted and interacted with customers to provide them with an ideal experience

Burger King   June 2014-August 2014
- Cooked and prepared food for customers
- Cleaned the restaurant (sweeping, mopping, trash removal)