Arslan Sadiq

ABOUT ME

GITHUB:	@arslanms	LOCATION:	Elmont, NY
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EDUCATION

AUGUST 2015 to MAY 2019	Stony Brook University B.S. in Computer Science MAJOR GPA: 3.78/4.0

WORK EXPERIENCE AND PROJECTS

Current
SEPT 2016

Interview Avenue

A progressive web app that helps users find and suggest available internships. Utilizes the following: HTML5, CSS3 and JS for the frontend. JS, JQuery, and Firebase (NoSQL) are used for the backend. Google API authentication for login. It also makes use of browser cache and service workers to allow for offline use. Will be used by the Computer Science department and its students. Found at https://interviewavenue.firebaseapp.com/.

Current
JAN 2017

Dynamic Memory Allocator

Built a dynamic memory allocator similar to the one provided by the GNU C Library (glibc) in C. The allocator uses an explicit free list and provides information on the current state of your memory allocator. Learned how the dynamic memory allocator operates, how fragmentation works in memory, and how memory padding/alignment occurs. Also improved my debugging (cgdb), unit testing (Criterion) and software design skills.

FALL 2016

BuzzWord

A JavaFX application that is a spinoff of the popular word game "Boggle". Users try to identify as many words as possible from a graph of 16 nodes (4x4 grid). FXML and CSS are utilized for the UI design. Javax.json is utilized to create JSON files that store player information. Improved skills in software design methods (Everything from the SDD to implementing a suitable design pattern) and multithreaded animation design.

SKILLS

Java	JavaFX	C	Bash	Python	Javascript	JQuery	MIPS
Firebase	SQL	Linux(Ubuntu)	Windows(7, 10)	Git	XML	FXML	JSON

COURSEWORK

Introduction to Java Programming	Data Structures and Algorithms in Java
Software Engineering in Java	Probability and Statistics
Introduction to Logic and Proof	Computer Architecture
Intro to Natural Language Processing	