

Arslan Sadiq

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Education

Stony Brook University | B.S. in
Computer Science | Expected Year of
Graduation: May 2019

Skills

Java | JavaFX | Python | Javascript |
JQuery | MIPS | Firebase | SQL |
MongoDB | Linux | Windows | Git |
HTML5 | CSS3 | Latex

Coursework

Introduction to Java Programming |
Data Structures and Algorithms in Java
| Introduction to Software Engineering |
Probability and Statistics | Introduction
to Logic and Proof | Digital Design and
Computer Architecture

Activities

Science Olympiad | September 2013 -
Present
Participated in a number of building
events in high school. One of the
founders of Stony Brook's Science
Olympiad Mentorship Program where
we mentor local elementary schools to
prepare for their Science Olympiad
competitions. Currently working on
test writing and judging for the "Game
On" category where participants
complete a goal using the Scratch
programming language.

Experience and Projects

Intern Web App | September 2016 - Present

A progressive web app that helps users find and suggest available
internships. Utilizes HTML5, CSS3 and JS for the frontend. JS and
JQuery are used for backend. Firebase Database (NoSQL), Google
API authentication for login, and Firebase hosting are used. Makes
use of browser cache and service workers to allow for online and
offline use.

BuzzWord | September 2016 - Present

A JavaFX application that is a spinoff of the popular word game
"Boggle" where users try to identify as many words as possible from
a graph of 16 nodes (4x4 grid) in a given time. FXML and CSS are
utilized for the UI design. Javafx.json is utilized to create JSON files
that store player information.

Minesweeper | October 2016

Replica of the game "Minesweeper". Implemented in MIPS
Assembly. Portions of main memory are mapped to each individual
cell as a form of MMIO (Memory Mapped IO) to allow data to be
shown on the screen. The display operates similarly to a VT100
where ANSI specifies the colors in each node.

Simplified Wireless | June 2016 - August 2016

Part time job in a tech-based store. Dealt with tracking returns,
inspecting returned devices for damage, and keeping a simple SQL
database to hold information on all the returns (name, type, price,
date, etc.)

Achievements

National AP Scholar | September 2015

National Honor Society | September 2013 - June 2015

Stony Brook Scholar | Top 10% of incoming freshman class |
September 2015

Stony Brook Golden Key International Honor Society | October 2016

Stony Brook Dean's List | June 2016