AMIR ASSADOLLAHZADEH

3331 Michelle Ct. Simi Valley, CA 93063

(805) 630-9086 amirassad1373@gmail.com

Education:

University of California San Diego (Current), San Diego, CA -- B.S. Computer Science (2018)

Technical Qualifications:

Programming languages: C++, C, Java, X86 Assembly, Java Script, Android

Operating Systems/Tools: Linux, Visual Studio, IntelliJ IDE, Play Framework, Firebase, Valgrind, GDB, vim, git, MySQL

Experience:

Autograder Development Team – UCSD **January 2016 - Current**

- Auto-grading of programming assignments, electronic queue, and online management of credit and grading
- Integrating Moss (Measure of software similarity) into Autograder
- Email notification functionality for students requesting different tasks on Autograder
- Displaying student & tutor reviews on personal accounts
- Tools used: Java, Java Script, Play Framework, MySQL, git, and Intellij IDE

University of California San Diego CSE Department **San Diego, CA** **January 2016 – Current**

Tutor/Grader (*Data-structures & O-O, Intro to Java Programming, Software tools & techniques***)**

- Aid students in CSE labs with their assignments and clarifying concepts that they do not fully understand
- Help administer midterm/final examination, validating programming assignments, and aid in preparing lab assignments

Moorpark Community College Math Center ***Moorpark, CA*** **September 2013 – June 2015**

Tutor/Supplemental Instructor

- Tutored drop-in students in calculus, physics, and C++ programming
- Organized and conducted workshops on C++ programming
    - arrays, vectors, string manipulation, functions, pointers, structures

Projects:

- Sportify (Java, Firebase): Android app that connects two people who want to play the same outdoor activity
    - I was recognized twice for the most contributing team member by my teammates
    - Used the Waterfall model for designing the applications functionality
    - Developed the base code, filtering, and the home page which contains a list of all events
- Auto-complete (C++, Linux): Implementing auto-complete functionality via tries
- Huffman Algorithm (C++, Visual Studio): Compress and decompress files using Huffman's Algorithm
- Binary Search Tree (C++, Visual Studio): Implement a BST where its data were stored on disk for persistency
- Circular Linked Lists (C, Visual Studio): Implement Circular linked-list based stack to simulate a calculator

Attributes:

Fluent (Speak, Read, Write) in the **Farsi** & **English** languages -- U.S. citizen