AMIR ASSAD

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EDUCATION

Bachelor of Science, Computer Science, UC San Diego (June 2018)

Courses: Advanced Data Structures, Software Engineering, Algorithm design and analysis, Probability & Statistics, Theory of Computation, prog. Languages

EXPERIENCE

Autograder, UCSD — Full Stack Web Developer

January 2016 - PRESENT

- Tasked with managing autograder.ucsd.edu, a website used by 2000+ UCSD CS students to facilitate student-tutor queues and online management of homework grading
- Integrated Moss(Measure of software similarity) into Autograder, designed a user-friendly interface replacing old Bash scripts and reduced the time to get the Moss results by more than 50%
- Implemented Email notification functionality for students working on projects
- Implemented Displaying student & tutor reviews on personal accounts
- Tools used: Java, JavaScript, Play Framework, Intellij IDEA

UCSD CSE Department, San Diego — *Tutor*

January 2016 - PRESENT

- Tutor for Data-structures & O-O Programming, Intro to Java Programming, Unix Lab classes, and Software Engineering
- Assisted students in implementations of O-O concepts (polymorphism, inheritance, abstraction, concurrency), various data structures (trees, linkedlists, stacks, hashtables), as well as in using various software tools (**Git, Vim, gdb, Valgrind, Makefiles**)
- Analyzed and debugged students' code, and clarified concepts they are working on in (Java, C, C++)
- Help administer midterm/final examination, validating programming assignments, and aided in preparing lab assignments

PROJECTS

Sportify - An Android app that connects two people who want to play the same outdoor activity

March 2016 - June 2016

- Was recognized twice for the most contributing team member by teammates
- Used Waterfall & Agile model for designing the applications functionality
- Developed the base code, filtering, and home page which contained a list of all events
- Tools used: Java, Firebase, Android Studio

Art - A website showcasing an artist's portfolio

December 2016 - PRESENT

- Building the backend for an artist's portfolio with PayPal integration
- Tools used: Django, PostgreSQL, Intellij IDEA

TECHNICAL QUALIFICATIONS

- Languages: C++, C, Java, Python, Android, HTML, CSS
- OS: Linux, Unix, OS X, Windows
- Tools: Play Framework, Django, Firebase, Valgrind, GDB, vim, git, Intellij IDEA

ATTRIBUTES

• U.S. citizen