Arselan Alvi

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Java Developer completing BS in Software Engineering.
Seeking full-time Entry Level Software Engineer position specializing in Java programming.

- Knowledge of modern techniques in software engineering, information security, and web development.
- Skilled in backend programming with Java, C++, PHP; frontend design with HTML, CSS, JavaScript.
- Experienced with database design and cloud storage using MySQL, SQLite, DB2, and AWS (EC2).
- Great at solving complex technical problems using troubleshooting, testing, debugging, and algorithm design.

EDUCATION

BS in Software Engineering, Expected May 2019
San Jose State University

- Courses in data structures & algorithms, software engineering, databases, web design, computer architecture, computer networks, information security, server-side programming, object oriented programming, operating systems.
- Completed projects in gaming development, full stack web apps, social networking website design.

SKILLS & TECHNOLOGIES

Programming: Java, C/C++, PHP, HTML, CSS, JavaScript, SQL, Python (Django, Keras, Theano).
Databases: MySQL, SQL Server, SQLite, DB2, AWS.
Operating Systems: UNIX/Linux, iOS, Android.
Dev Tools: J2EE, Jenkins, Git, Tomcat, Java Swing, openFrameworks, phpMyAdmin, JDBC.

PROJECTS

"Aurora" Image Marketing Social Network Site - https://github.com/arselan95/ImageSite

- Developed full stack social networking website where users can post, buy, and sell images. Members receive points when they upload images. Earned points used as currency to buy images.
- Built frontend using HTML, CSS, Bootstrap. Contributed to backend development with PHP based server side back-end and MySQL database .queries.

"Foresite" Demand Forecasting using Neural Networks - https://github.com/arselan95/Foresite

- Developed website that makes prediction based on data provided using LSTM demand forecasting system. Used system to predict amount of views a website can aggregate on a certain day, given user's data over a period of time.
- Built complete system using Gunicorn, Nginx, Django, SQLite. Designed LSTM with Keras/Theano and Anaconda2 for Python. System works by feeding CSV data from text file to calculate prediction.

Cafe Mocha Coffee Shop Management Site - https://github.com/arselan95/Cafe-Mocha

- Created coffee shop website for managers to track employee data with Single Sign On, CRUD, and search functions using HTML, CSS, JavaScript.
- Project Supervisor for 3-member team. Contributed to backend development and testing using JDBC and MySQL. Developed in Jenkins and Git.

Space Invaders Video Game - https://github.com/arselan95/Space-Invaders-2D-Arcade-Game

- Developed version of classic 2D arcade game using C++ and openFrameworks.

"Munchies" Online Shopping Website - https://github.com/arselan95/Munchie

- Developed online grocery shopping website using J2EE and JDBC as back-end and Apache Tomcat server.

Plagiarism Checker - https://github.com/arselan95/Plagiarism-Checker

- Built Java anti-plagiarism application which scans file and compares with original file based on number of words.

WORK EXPERIENCE

Teaching Assistant, Math Department, **San Jose State University**   Sept 2016 – Present

- Grader, tutor, and work shop facilitator for Calculus I-IV, Numerical Analysis, and Scientific Computing. Achieved grade improvement for 100% of students tutored.

AWARD

Won 2nd Prize in public speaking contest for speech on Scientology at Mission College.