Jason Tan

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TECHNICAL SKILLS

Languages: Java, Scala, C++, Javascript, HTML/CSS, jQuery, JSON, XML, (System) Verilog, SQL
SW Engineering: Agile, Object-oriented design, TDD, BDD, MVC, RESTful, open-closed principle
Technologies: JSP, Apache Tomcat, PostgreSQL, Bitbucket/Git, Netbeans, Eclipse, Visual Studio, Vim

EDUCATION

B.S. Computer Science – University of California, San Diego   *August 2012 – June 2016*
GPA: 3.82 – Graduated with Cum Laude recognition   *La Jolla, CA*

PROJECT EXPERIENCE

TScorify   *March 2016*
- Spark Application, Scala Developer -
• Implemented a Spark/Scala application to produce keyword lists associated to files of a given data set; implemented a custom TF-IDF scoring algorithm to accurately score words based on relative frequencies.
• Designed accompanying web application to display resulting keyword data graphically in a word "cloud".

GlassMADA   *December 2015*
- GoogleGlass Android and Website HTML/JS Developer -
• Integrated Scandit framework for QR scanning to perform passive QR scanning, providing users visual reconfirmation of personal information such as relationship details between the user and family members.
• Designed and developed MADA Timeline, a website to review collected contextual data such as Google geolocation and taken photos from GlassMADA app.

Battle Blocks   *June 2015*
- Game Designer and C++ Server-Side Engineer -
• Designed game APIs and game packets for client-server interaction; designed balanced, player-oriented gameplay aspects such as Build Mode where players customize their vehicle for combat.
• Implemented entire server-side gameplay logic (functionalities such as processing game events, dynamic block object creation/deletion, and damage systems) and a physics engine for 3D object simulation.

KJ   *March 2015*
- System Verilog Hardware Architect -
• Designed and implemented a 3-stage pipelined CPU that runs on a 8-bit ISA and ten registers. Optimized by data forwarding to avoid data hazards and asynchronous reading to avoid branch hazards, resulting in no stalling nor flushing.

WORK EXPERIENCE

MarketSource, Inc.   *July 2016 – Current*
- Electronics & Entertainment Lead -   *San Francisco, CA*
• Manage team responsibilities, schedules, and tasks. Train associates for electronics and mobility sales experience and knowledge.
• Acquiring guest needs from face-to-face interactions and promoting sales regarding mobile technologies, smart home devices, and digital services.

UC San Diego Sixth's Place & Market   *October 2013 – December 2015*
- Food Service Lead -   *La Jolla, CA*
• Increased labor efficiency by brainstorming and suggesting more efficient operations, facilitating task distribution, assessing worker management, and supervising general workers for store upkeep.
• Provided food services such as inventory logging, cleaning maintenance, register duties, stocking, and providing customer service in excellence, earning Employee of the Year 2014 award for Sixth Market.