Toan (Tony) Tran

CELL (425) 280-9002 • **E-MAIL** ToanT713@gmail.com

EXPERIENCE

SPAWAR, San Diego, CA, August 2009 - Present
Electronics Engineer (DoD Secret Clearance)
- Co-lead scrum team for agile development
- Created RESTFUL Server-Sent Event subsystem design used by multiple teams within the project to relay status updates from the server to clients
- Implemented XSLT transform subsystem into web service to transform a radio plan to a generic format that third party vendors can use to create plugins for the web service.
- Created Java client API for third party vendors to use to interact with web services
- Implemented the entire web service (client and server) comprised of RESTFUL and web sockets architecture currently being used in web application that receives, generates, and sends radio plans to users and other third party applications.
- Created prototype of SOAP web service used for future web application
- Maintained, developed, and supported radio network communication application used by thousands of US soldiers
- Implemented Tele-Operation domain to radio network communication application used by the company engineers. Updates required changes to xml schema (JAXB), server side implementation (Hibernate), MySql database, as well as UI validation.
- Developed rough order of magnitude (ROM) estimates for reported defects against given java application used for scheduling
- Developed and executed test cases for new software implementations
- Redesigned security hardware monitoring software to use SNMPv3 communication
- Developed ISAM based database to monitor in real time, security personnel and vehicles
- Created message routing embedded system for security system hardware using Rabbit 4200 micro-controller

Freelance Web Designer, January 2011 - Present
- Designed, created, and managed client websites

Aronson Security Group, Seattle, WA, October 2008 – April 2009

- Part of an engineering team that design security systems for Amazon and Microsoft buildings
- Drew detail point to point, mount, and device diagrams in AutoCAD to be used by technicians in the field
- Built and managed database for security devices
- Wrote an automated program to create commissioning documents used for Microsoft client

EDUCATION

Bachelor of Science in Electrical Engineering
University of Washington, Seattle, WA 98205
Graduated 2008
Honors: 2003-2004, 2005-2006
Related Coursework:
- Computer Design and Organization
- Microcomputer Systems
- Digital Integrated Circuit Design
- Design of Computer Subsystems

SKILLS

Software: AutoCAD, Eclipse, VMware, Xcode
Hardware: DMM, Oscilloscopes, Logic Analyzers
Languages: Java, XML, C/C++, Verilog (VHDL), HTML, CSS, JavaScript, Python, XML, XSLT, Xquery, Objective-C
OS: Windows, Red Hat Enterprise Linux
Database: MySql
Tools: Eclipse, Subversion, Ant, JUnit, Lint4j, Maven, Jetty, Git, Jira, FishEye, Crucible
Frameworks: Axis2, Jersey, Atmosphere, Mockito, Junit