

Toan (Tony) Tran

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EXPERIENCE

SPAWAR, San Diego, CA, August 2009 - Present

Electronics Engineer

- Prototyped RESTFUL and SOAP web service used in web application that receives, generates, and sends radio plans to users.
- 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
- Converted Undersea sensors from Rabbit micro-controller (Dynamic C) to AVR micro-controller (Java)
- 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

Hardware: DMM, Oscilloscopes, Logic Analyzers

Languages: Java, XML, C/C++, Verilog (VHDL), HTML, CSS, JavaScript, Python

OS: Windows, Red Hat Linux

Database: MySQL

Tools: Eclipse, Subversion, Ant, JUnit, Lint4j