

WINDSOR PEREZ SCHMIDT

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EDUCATION

Peralta Community College Oakland, CA. • Bachelor of Science in Computer Engineering, 2010 (projected)
GPA (CE Major): 3.75/4.00 • Selected Coursework:

Computer Science C/C++ Programming · Java Programming · Algorithms & Data Structures ·
Microcomputer Assembly Language, Unix System Administration

WORK HISTORY

Embarcadero Systems Corporation (2002-2006)

Hardware Developer, Field Tester, Manufacturing Lead

- Developed products for marine-terminal automation & control, specializing in audio and video systems.
- Wrote design specifications, documentation and test procedures for various hardware products.
- Created circuit schematics and PCB artwork for electronic products using PCBExpress and Protel DXP.
- Developed AVR microcontroller firmware used in various industrial automation products.
- Developed mechanical design drafts for hardware prototypes using AutoCAD and SolidWorks.
- Performed field testing and troubleshooting of prototype hardware products.
- Performed client consulting regarding system architecture & design criteria.

Embarcadero Systems Corporation (1999-2002)

IT Support Technician, Support Lead

- Performed on-site and remote technical support for desktop PC hardware and peripherals. Worked as support lead for a local office of approximately 150 users.
- Performed installation, configuration and troubleshooting of office computer and networking equipment in a Windows/Unix environment.
- Created deployment procedures and configuration scripts for equipment roll-outs company-wide.

Alternative Resources Corporation (1997-1999)

IT Support Technician

- Performed on-site installation and technical support of various computer systems and networking hardware in a corporate office environment on a contract basis. Local travel to customer sites within the Bay Area, California.
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SKILLS

- Proficient in software development using C, C++, Assembly (x86, Atmel AVR), Java, OpenGL.
 - Familiarity with HTML, Regular Expressions, L^AT_EX, bash shell scripting.
 - Familiarity with Unix, GNU/Linux, FreeBSD, Win32, Darwin/OSX.
 - Use of standard Unix network tools such as telnet, ssh, ftp, rsh, rsync, samba, svn/cvs, etc.
 - Use of CAD/CAM software including AutoCAD, SolidWorks, Protel DXP.
 - Proficient in use of typical electronics test equipment (oscilloscope, function generator, soldering etc.)
 - Extensive proficiency in the repair, upgrade and troubleshooting of PC computer hardware.
 - Strong verbal and written communication skills. Excellent troubleshooting and debugging skills.
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ADDITIONAL TRAINING

- Atmel AVR Advanced User Workshop. Sunnyvale, CA. 2004.
 - AutoCAD 2005 Level 1 Training Course. Ideate, Inc. San Francisco, CA. 2005.
 - Licensed Amateur Radio Operator, Technician Class.
 - Certified Boom/Scissor Lift Operator.
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APPLIED INTERESTS

- Video game programming, robotics, music production, speaker design, woodworking, machining/welding, microcontrollers/embedded systems, amateur radio, 3D graphics/rendering.