

Anteni Doron

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WORK EXPERIENCE:

NSTI Inc., Anchorage, AK

Telecom/Database Engineer, Feb 2002 - Present

Responsibilities: System design for Microwave communication links and misc communications projects. AutoCAD Drafting of towers, block diagrams and antenna layouts. Designing and programming databases using MS Access 2000 consisting of: an invoice database, inventory database, modifications to existing time and materials database, and experimenting with MYSQL as a possible transactional server replacement. Designing and programming Visual Basic applications consisting of: web applications interfacing with databases, serial port data acquisition and storage, and java applet automation.

Experience gained:

MYSQL

Microwave Link Design

AutoCAD 2000i

Access Programming

VB Web Applications

Microsoft Visio

VECO, Anchorage, AK

Automation Engineer, April 2001 – Feb 2002

Responsibilities: PLC and HMI programming for oil, gas and water control systems. Setup communications utilizing modbus and Ethernet TCP/IP protocols between 3rd party devices, plc's and computers. Programming controllogix 5000 and SLC500 series PLCs along with Moore Quadlog DCS systems. Travel to the job site for troubleshooting and repair and to finalize programs for initial startup.

Experience gained:

Moore Quadlog

ControlLogix 5000 PLC

Modbus protocol

Ravtheon, San Diego, CA

Database Developer, March 2000 – April 2001

Responsibilities: Access and SQL database programming for the prIDE database used in the design of the LPD 17 amphibious assault ship. Programming in VBA and SQL in Access along with programming in SQL Server 7. Generating queries, custom reports and stored procedures to aid the systems engineers. Redesigning the installation routine for distribution of the database application using Install Shield. Designing a new, web based front end, using JAVA.

Experience gained:

SQL Server 7

Access Programming

Install Shield

JAVA

Boreal Controls Inc., Juneau, AK

Electrical Engineer, Programmer, September 1998 – March 2000

Responsibilities: Writing all software for customer applications. Programming emphasis was on the use of object based code, external PLC interaction, and database manipulation. Developing working applications with minimal guidance, often designing my own hardware I/O drivers and ActiveX controls. Programming PLCs and MMI systems for water and wastewater plants. Designing an automated lighting and security system for a commercial structure. Programming a PC based autodialer system utilizing a Dialogic card and Visual Basic. Designing a driver for the DMX theater lighting control protocol.

Experience gained:

Visual Basic 6

Dialogic Equipment

RemoteTelemetry

NETDDE

COM/DCOM

Network Administration

PC I/O

Allen Bradley PLC

Windows API library

Wonderware

RSView

Control Panel Construction

ActiveX Controls

DDE

S&B Inc., Bellevue, WA

Project Engineer, September, 1997-September 1998

Responsibilities: Designing water system telemetry and control systems. Organizing control panel layout and calculating the load. Calibrating and setting up the flow meters, pressure transmitters, and communication modules. Programming PLCs and MMI systems. Using AutoCAD to generate schematics and block diagrams. Programming data manipulation routines in Visual Basic to assist in migration of information from old SCADA systems.

Experience gained:

Siemens PLC

WinCC

Windows NT 4

Koyo PLC

AutoCAD R14

Wonderware

Visual Basic 5

Operating Systems:

Windows NT4/2000/xp
DOS

Windows 95/98
Unix

Linux

MacOS

Software:

Microsoft Office

AutoCAD 2000i

MathCAD

Wonderware

RsLogix500

Painter 5.0

Microsoft Access 2000

SQLServer7

RSLinx

WinCC

PSPICE

MySQL

Photoshop

TISoft

RsLogix5000

Matlab

Visio

Directsoft

RSView

FIX32

Programming Languages:

Visual Basic 6

Assembly

TransactSQL

JAVA

Visual C++

Relay Ladder Logic

ASP

HTML

Fortran77

C

Skills:

- Circuit Design
- Problem Solving
- Software Debugging
- Database Design/Manipulation
- Electronic System Assembly
- Computer/PLC Programming
- Electronics Troubleshooting and Repair
- Object Oriented Programming
- Internet Programming
- Water/Wastewater Control System Design

EDUCATION:

University of Alaska Fairbanks, Fairbanks, Alaska

B.S. Electrical Engineering 1997

Selected Course work:

- Automatic control system analysis and design.
- Neural network design for pattern recognition.
- Microwave design including waveguides, antennas, reflectors, link budgets, and earth curvature calculations.
- Fiber optics transmission theory.
- Electromagnetic wave propagation including antennas, oscillators, modulation schemes, and transmission cables.
- Digital design including digital circuits, microprocessors, state machines and digital signal processing.
- Power circuits, AC synchronous and induction motors, DC series and shunt motors.
- Advanced mathematics including Calculus, Differential Equations, Linear algebra, and Iterative learning equations.

School Projects:

- Microwave data link between remote site and campus using high gain antennas, and a reflector

- Automatic Vehicle Guidance system that follows a current conducting wire using an onboard 68HC11 microcontroller.
- Neural Network Speech recognition program with a three-word vocabulary using Matlab.

CIVIC ACTIVITIES:

Ketchikan Volunteer Fire Dept., Volunteer at KRBD Public Radio, Eagle Scout, Boy Scouts of America, Volunteer at Juneau Perseverance Theatre