

JESSICA E. BENSON

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EDUCATION

POINT LOMA NAZARENE UNIVERSITY

San Diego, California

Bachelor of Arts in Computer Science

May 2002

- Cum Laude, Computer Science Department Scholarship

GRADUATE COURSEWORK: Graphical User Interface Environments, San Diego State University

EXPERIENCE

QUALCOMM INCORPORATED

San Diego, California

Software Engineer

03/2007 – Present

- PC Software development for Gobi, the first embedded mobile wireless solution designed to allow different high speed wireless networking technologies to be used on one device.
- Research, design and implementation of user-mode Windows 7 Location Sensor driver.*
- Created custom Windows Installer packages and automated build scripts for each deliverable.
- Manage master schedule for all Gobi software releases, coordinate with all affected teams, build and deliver releases.
- Wrote application to demonstrate the preferred practices for using proprietary QCWWAN API library to create commercial connection managers for Gobi devices.

NATIONAL INSTITUTES OF HEALTH at THE SALK INSTITUTE

La Jolla, California

Scientific Software Engineer

07/2004 – 03/2007 and 05/2001 – 08/2003

- Responsible for all phases of the software development life cycle of the Windows version of CORTEX, a data acquisition and real-time experimental control program used at Neuroscience institutions around the world.
- Designed and implemented the graphical user interface that utilized aspects of existing DOS program.
- Responsible for the production and distribution of new releases, including authoring documentation and creating installation packages.
- Maintained and updated the website, and provided technical support and customized features to users.

ACADEMIA LOS PINARES

Tegucigalpa, Honduras

High School Computer Teacher

08/2003 – 07/2004

- Taught *Computer Literacy* and *Keyboarding* courses, set up and maintained computer lab, created technology curriculum, and coached soccer and track.

COMPUTER SCIENCE DEPARTMENT at POINT LOMA NAZARENE UNIVERSITY

San Diego, California

Teacher Assistant / Lab Assistant

01/2001 – 05/2001

- Assisted students in *Fundamentals of Computer Science* course with programming and debugging.

INFORMATION TECHNOLOGY SERVICES at POINT LOMA NAZARENE UNIVERSITY

San Diego, California

Computer Technician

01/2001 – 05/2001

- Maintained and repaired faculty computers.

SUMMARY OF TECHNICAL SKILLS

SOFTWARE: Microsoft Visual Studio, Microsoft Visual Source Safe, Microsoft Office Suite, Perforce, Install Shield Developer, Norton Ghost, WinDbg*, DebugView*, Adobe CS4*, MatLab*

LANGUAGES: C++ with MFC and STL, Java with Swing, Perl, CScript, SQL*, HTML*, CSS*, PHP*

HARDWARE: Windows and Mac OS, Touch Screen, Function Generator, Oscilloscope, Data Acquisition Boards

OTHER: Windows Installer, Windows Driver Development Kit*, User Mode Driver Framework*, Microsoft Logo Certification process, Agile

INVOLVEMENT

- Board member, Sunday school director/teacher, secretary at Mid-City Church of the Nazarene, San Diego
- San Diego Rock 'n Roll Marathon '06 and '08, Nike Women's Marathon '08, Mission Bay Sprint Triathlon '09, Coronado Loop 13-Mile paddleboard race '09, plus several half marathons
- Student of San Diego Ceramics Connection and other weekly craft/creativity nights with friends

*Work in progress