

Nathan Balon

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Clinton Township, MI 48036

Objective

To obtain a software developer position that allows me to utilize my past experience and learn new technologies to improve the overall value of an organization.

Work Experience

Thomson Reuters

Software Developer

Dexter, MI

2/08 - Present

- Programmed UltraTax, tax software using C++ to meet design specifications given by tax analysts.
- Utilized numeric and problem solving skills to preform bug verification and release testing.
- Assisted tax analysts in researching problems discovered by product support.
- Programmed multiple simultaneous products within UltraTax, while successfully meeting deadlines and effectively communicating with others in a team oriented environment.
- Implemented e-file in various products that resulted in users being able to submit tax forms electronically with XML.

Selected Achievements

- Publications:**
- Researched *Increasing Broadcast Reliability in Vehicular Ad Hoc Networks*, which resulted in a paper being published and presented at the VANET 2006 conference.
 - Coauthored the chapter *Vehicular Ad Hoc Networks and Dedicated Short-Range Communication* for the *Handbook on Mobile Ad Hoc and Pervasive Communications* published by American Scientific Publishers.
 - Reviewed journal and conference papers for publication on wireless networks.

- Projects:**
- Designed and programmed a middleware solution, similar to Java RMI, resulting in the ability to call methods on objects remotely.
 - Programmed a multi-threaded client/server chat program in Java.
 - Transformed the legacy information system of TRA Electronics to use a relational database and modern user interface.

Technical Skills

Languages: *Proficient in:* Java, C, C++, SQL, Object Oriented Design
Intermediate knowledge of: Perl, Bash Shell Scripting, TCL, PHP, XML, XHTML, CSS, J2EE, Java Script, 68x Assembly

Software: *Platforms:* Linux, UNIX, Windows
Databases: Oracle, MySQL, Access
General Software: Microsoft Office, Open Office, Visio, Latex, Doxygen
Programming Environments: NetBeans, Eclipse, GCC, Visual Studio
Software Modeling: UML, Entity-Relationship Model, Design Patterns, Refactoring
Network Protocols: TCP/IP, IEEE 802.11, Ethernet
Network Simulators: NS-2, OPNET

Education

University of Michigan – Dearborn

Master of Science

Major: *Computer & Information Science*

Dearborn, MI

April 2007

GPA: 8.10/9.00

Eastern Michigan University

Bachelor of Business Administration

Major: *Computer Information Systems*

Ypsilanti, MI

December 2002

GPA 3.88/4.00

Honors, Awards, and Groups

- Upsilon Pi Epsilon (CS Honor Society)
- Beta Gamma Sigma (Business Honor Society)
- ACM Member
- Metro Detroit Linux Users Group
- Michigan!usr/group