Allen Franklin Jordan

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Objective:	A challenging and interesting career as a computer programmer.

Technical Skills:

Languages
- Java, C++, C, C#, XML, (X)HTML, JavaScript, Perl, Ruby on Rails, SQL, IDL, Mathematica

IDEs and Editors
- NetBeans 6, Visual Studio (2003 – 2008), Dev-C++, Notepad++

Libraries, APIs, Technologies, and Practices
- Swing, wxWidgets, OpenGL, .NET, SDL, JDOM, JavaCC, JCCKit, MFC, Win32 API
- Version control with SVN, object-oriented design, UML, multithreading, network programming, reflection, regular expressions, design patterns, unit tests, test-driven development, databases
- Atmel AVR microcontroller programming and circuit design using AVR Studio, WinAVR, and Altium DXP
- Software engineering practices: Unified Process, Extreme Programming, Scrum

General
- Windows (XP), Linux (Ubuntu, Fedora), Unix, computer building, digital circuit design, mathematics (calculus, differential equations, linear algebra, numerical analysis, and other fields)

Experience:

Physical Science Technician, May 2002 – Present, National Oceanic and Atmospheric Administration (NOAA), Boulder Colorado
- Developed and maintained data plotting and manipulation programs using Linux/Unix, Perl, IDL, and some csh
- Created web applications in Perl using CGI
- Designed, programmed, and launched weather balloon instruments
  - Wrote software for both the embedded microcontrollers and control/plotting applications
- Reverse-engineered and modified a java camera control program

Education:

Bachelor of Science in Computer Science and Applied Mathematics, Metropolitan State College of Denver, Denver Colorado
- Graduating in December 2008
- 4.0 GPA (on a 4.0 scale)
- Graduating Summa Cum Laude, on the President's Honor Role
- Member of the Association for Computing Machinery (ACM), and Who's Who Among Students

Personal Projects:
- Franklin Math, an open source symbolic computer algebra system written in Java (www.franklinmath.com)
- OpenGL (with SDL) graphics programs and games written in C++
- A stock picking technical analysis program written in C#
- The Code Blue Review System, an open source, web-based document submission and review system written using Ruby on Rails (http://sourceforge.net/projects/codebluereview/)

References: Available upon request.