

# DAVID W. BEHROOZI

## Software Engineer

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### OBJECTIVE

To obtain a challenging and rewarding full-time position with emphasis on cutting-edge software development.

### WORK EXPERIENCE

**Lockheed Martin Military Support Program**, Littleton, CO. *December 2002 – Present*

Software engineer responsible for developing classified Java applications for spacecraft calibration.

- Co-developed and designed 3 major classified software applications.
- Developed an agile GUI builder framework for simplifying Java GUI development.
- Developed a highly extensible web application for personnel clearance management.
- Promoted from Software Engineering Associate to Software Engineer.
- Key player in the adoption of the Java programming language in developing future applications.
- Graduate of the Entry Level Rotational Program, a program designed to expose new employees to all facets of the corporation and involve them in interdisciplinary engineering.
- Utilized Java, C++, Matlab, Visual Basic, ASP, Perl, and XML.

**Innovision Corporation**, Lenexa, KS. *Summer 2001*

Software engineering intern responsible for developing client/server applications to showcase the company's XML protocol technology for facilitating data exchange between disparate systems.

- Developed a XML server to collect and deliver stock quotes and company news to multiple devices including J2ME enabled cell-phones, WAP phones, Palm Pilots and web browsers.
- Developed a XML server and web interface to simultaneously submit gene sequences to multiple national databases.
- Developed a tool with a web interface to validate XML documents and verify XML tag content against DTD and DFX specifications.
- Thoroughly documented all projects, collaborated with other interns and made suggestions for product improvement.
- Utilized Java, Java Servlet Technology, JavaScript, SAX parsers, DHTML and CSS.

**Ericsson Wireless Communications**, Boulder, CO. *Summer 2000*

Software engineering intern responsible for performing a feasibility study and partially implementing a tool to auto-generate Java code.

- Researched different methods of generating Java code from specification databases and templates.
- Extended an existing Java tool to implement the results of my research.
- Mentored the successor to my project and engaged in discussions on how to make the tool more robust and extensible.
- Independently learned Java, SAX parsers, Perl and XSLT effectively and rapidly.
- Thoroughly documented my research and reported on new technologies to project members.

**Iowa State University**, Ames, IA. *December 1999 – July 2002*

Webmaster and head system administrator for the Department of Music. <http://www.music.iastate.edu>

- Rapidly developed and deployed a website utilizing Apache, Apache Tomcat, Jakarta Struts, Java, JSP, JDBC, MySQL and Filemaker Pro targeting the OS X operating system.
- Created original content for the website and administrated the web server and databases.
- Provided technical support and consulting services to music faculty.
- Administrated the departmental computer lab.

- Assisted in writing proposals for new technology purchases.
- Digitally recorded musical performances in the Recital Hall.

**Curly Productions**, Cedar Falls, IA.

*August 1996 - August 1999*

Developer and artist for the original MS-DOS action game, "Kick the Skank."

- Co-developed and designed all aspects of the game.
- Independently learned C and the fundamentals of MS-DOS game programming.
- A full description and a demonstration version of the game are available from <http://www.davidwbehroozi.com/kts>

## **EDUCATION**

**B.S. Computer Science**, Iowa State University, Ames, Iowa. May 2002. (GPA: 3.70/4.0.)

## **SUBSTANTIAL COURSE PROJECTS**

- Compiler targeting the java virtual machine. Compiled a C-like language for modeling the interactions of cellular automata. Utilized C/C++, lex and yacc.
- Instant Messenger client and server with web administration. Utilized Java, Swing, JDBC, Servlets and MySQL.
- Room scheduling database with extensive web interface. Utilized Java, JDBC, Servlets and MySQL.

## **AWARDS AND HONORS**

Top 2% of class. Fall 1998.

Sprint Scholarship Recipient. Fall 2000.

Dean's List. 1998-2002.

Music Scholarship Recipient. 1998-2002.

Outstanding Contribution and Service award from Iowa State University Department of Music. Spring 2002.

Member of Phi Beta Kappa Honor Society.

## **PROFESSIONAL SKILLS**

Java, C/C++, J2ME, Java Servlets, ASP, JDBC, JSP, JavaScript, HTML/DHTML, CSS, Visual Basic, Perl, XML, XSLT, Windows, Mac, Linux, Solaris, Apache, Apache Tomcat, MySQL, Microsoft Office, Photoshop.

**Transcripts and references available on request.**