

# JESSE A. FORREST

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**OBJECTIVE:** To successfully integrate technology and computer expertise into all areas of the work environment to increase effectiveness of corporate goals.

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## EDUCATION:

2002-2006 **Florida State University – Bachelor of Science in Computer Science**

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## PROFESSIONAL EXPERIENCE:

2007-Present **Northrop Grumman – Secret Security Clearance – San Diego, CA**  
Built a web based AJAX application to convert Interface Design Documents into XML format. The tool can also take these XML files and convert them into HTML, Word Documents, and C-style code.

2006-2007 **Northrop Grumman – Secret Security Clearance – Melbourne, FL**  
Utilizing Trolltech's Qt, a cross-platform C++ library, to design a high-performance Linux graphical user interface which supports mapping, imagery, and data displays. Additional work includes implementing JPEG2000 codec's, image data-manipulation, map obstacle overlays, and creating pseudo-color imagery from grayscale data.

2005-2006 **Research and Innovative Technologies for Learning (RITL)**  
A National Science Foundation sponsored program to foster interdisciplinary research in the effectiveness and implementation of learning technologies, including education, computer science, graphic arts, and psychology. I was a software developer, graphic designer, and animator.

2005-2006 **Sheridan Vocational College**  
Responsible for the sites quality assurance and maintenance. Being the web master required knowledge of HTML, ActionScript, JavaScript, and CSS.

2005-2006 **E-Learning Broward Adult Education**  
Designer and web master for Broward County School's available online courses and programs listing. The site was mainly built using Flash technology.

2003-2006 **Florida State University Computer Science Majors' Lab**  
Maintained lab computers and helped Computer Science students and faculty with specific computer/programming problematic situations.

Fall 2004 **Florida State University Computer Science Logging Software**  
Designed software for the Computer Science Department at Florida State University, in Visual Basic, to run with a COM port card scanner. Upon request, the software was distributed throughout the university's computer labs to monitor when users logged in and out.

## INTERNSHIPS:

Summer 2005 **Education Technology Services (ETS) Internship**  
Programmed web-based queries, in SQR, for the Broward County School Board. Development of queries required translating COBOL code into more efficient SQR programs. The queries written are used daily by Broward County students, teachers, and faculty.

Summer 2003 **Broward Education Communications Network (BECON) Internship**  
Website designer for the Distance Learning Department of Broward County Public Schools, for both the videoconferencing and virtual high school components. Assisted with the setting up, recording, and editing of BECON's TV production department.

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## AWARDS:

**Elected the ACM Web Designer – Florida State University Branch**  
The Association for Computing Machinery is an organization dedicated to advancing the arts, sciences, and applications of information technology.  
**Florida State Science and Engineering Fair Finalist**  
"Can Voice Recognition Software be used for Positive Identification?"

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## PROGRAMMING AND MARKUP LANGUAGES:

Proficient in: C, C++, PHP, AJAX (JS & XML), HTML, CSS, SQR, XSD, MySQL, VB, and ActionScript.  
Knowledgeable in: Java, ASP, Lisp, and Perl

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