

# JESSICA ROSE EBERT

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## EDUCATION

<b>CONNECTICUT COLLEGE</b> , New London, CT	BA expected May 2008
<b>Major:</b> Computer Science	Overall GPA: 3.73
<b>Minor:</b> German Studies	
<b>Honors:</b> Dean's Honors, every semester	
<b>Language:</b> Intermediate proficiency in spoken and written German	
<b>Relevant Courses:</b> Data Structures, Digital Sound Processing, Computer Organization, Graphics and Virtual Environments, Programming Languages, Discrete Mathematics, Algorithms, Robotics, Networking, Honors Thesis	
<b>Selected Scholar:</b> Ammerman Center for Arts and Technology	Certificate expected May 2008
<b>UNIVERSITY OF AUCKLAND</b> , Auckland, New Zealand	July - November 2006
<b>Relevant Courses:</b> Human Computer Interaction	
<b>UNIVERSITY OF DÜSSELDORF</b> , Düsseldorf, Germany	Summer 2005

## COMPUTER SKILLS

**Programming Languages:** JAVA, MATLAB, Basic, C++, and ML.  
**Software:** Virtools, MAYA, Adobe Acrobat, Linux Platforms, Photoshop

## ACADEMIC EXPERIENCE

<b>Honors Thesis</b> , Connecticut College	2007–2008
<i>Designer/Programmer</i> • Developed, programmed, implemented and tested a user independent keyword spotting speech recognition system.	
<b>Center for Arts and Technology Senior Project</b> , Connecticut College	2007–2008
<i>Designer/Programmer</i> • Proposed, designed, implemented and installed all aspects of a multi-media and animation based installation art piece controlled by speech recognition.	
<b>Robotics</b> , Connecticut College	Spring 2007
<i>Designer/Programmer</i> • Designed, programmed and implemented an autonomous robot with a partner.	
<b>Human Computer Interaction</b> , University of Auckland, New Zealand	Fall 2006
<i>Student</i> • Developed three interface prototypes for online health record systems • Analyzed three other interface prototypes; collaborated with a group of peers.	
<b>MAYA: Introductory and Advanced workshops</b> , Ammerman Center for Arts and Technology	January 2005, 2006
<i>Student animator</i> • Developed, modeled and animated characters in MAYA	
<b>Virtual Reality</b> , Connecticut College	Spring 2006
<i>Student programmer</i> • Designed and completed virtual and interactive aquarium (MAYA, Virtools)	
<b>Digital Sound Processing</b> , Computer Science, Connecticut College	Spring 2005
<i>Independent Project</i> • Proposed and developed monophonic sound transcription project coded in MATLAB • Successfully completed project as the only freshman in 300 level course	

## WORK AND CO-CURRICULAR EXPERIENCE

<b>National Science Foundation Research For Undergrads</b> , Utah State University, Logan, Utah	Summer 2007
<i>Student Researcher</i> • Researching, Designing, programming and implementing a unique approach to automatic flame detection in color videos with a partner.	
<b>Mystic Aquarium Institute for Exploration</b> , Mystic, Connecticut	Spring 2005 - Present
<i>Docent(Exhibit Interpreter)</i> • Educating aquarium visitors; public address presentations and one on one educational conversations • Supervising touch pools to protect the safety of the animals and visitors	
<b>Theater Services</b> , Connecticut College	Fall 2004 - Present
<i>Stage Hand</i> • Constructing sets: painting, measuring, cut and shape materials, use power tools; hang and focus lights, designing and developing sound for plays.	
<b>Ebert Orthodontics</b> , Fort Collins, CO	Summer 2005, 2006, 2007
<i>Office Assistant</i> • Prototyped the corporate web page; created and mailed status letters to patients and doctors	