

# ERIC M. GUSTAVSON

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## OBJECTIVE

Entry level software engineering position

## EDUCATION

**Tufts University School of Engineering**, Medford, MA  
Bachelor of Science in Computer Science, May 2010  
Emphasis in Environmental Engineering  
3.32 GPA, Dean's List

## COMPUTER SKILLS

**Platforms:** Windows, Linux/Unix  
**Software:** Eclipse, NetBeans, Visual Studio, Subversion, AutoCAD, Blender  
**Languages:** C, C++, Java, PHP, MySQL, xHTML/CSS, Javascript, jQuery

## RELEVANT COURSES & PROJECTS

**Software Engineering Processes, Algorithms** (Networks, Trees, Sorting, Hashing), **Cloud Computing** in GWT/GAE, **Database Systems** in MySQL, **OOP/GUI in Java**, **Computer Architecture** in Assembly/C, **Data Structures** in C++, **Computers in Engineering**, **Web Programming**, **Engineering Graphics** in AutoCAD, **Digital Logic Design**, **Computer Aided Design** in Blender, **Human-Computer Interaction**

**Probability and Statistics**, **Environmental Engineering** (Intro), **Civil Engineering** (Intro), **Environmental Geology**, **Chemistry I & II**, **Industrial/Organizational Psychology**, **Ethics**, **Expository Writing**

Senior Software Engineering Project: Image and Video compression for UDP broadcasting in C/C++  
OOP/GUI Project: 2D Battleship Game in Java/Swing

## WORK EXPERIENCE

**Student Supervisor** *Tufts Online (TOL)* 20 hrs/wk, Fall 2008 – Present  
Provides IT support to graduate & undergraduate students using a call center, walk-in repair facility, and website

- Manage and train a team of 12 student employees
- Administer, develop, and maintain TOL website
- Identify and patch PHP/MySQL security holes on the TOL website
- Analyze customer problems and create practical solutions
- Developed a phone service registration web application & backend management system in PHP
- Serviced hardware and software problems on over 300 personal computers

**Senior Intern** *Mystic River Watershed Assoc.* Summer 2007, 2008

- Managed & restructured large water quality databases in Excel
- Streamlined data entry using macros in VBA/Excel
- Analyzed water quality data in Excel and generated monthly reports
- Used Google Earth to analyze water quality data & create multi-layered maps

**Intern** *Charles River Watershed Assoc.* Summer 2007

- Produced the 2006 Monitoring Program Final Report for baseline water quality data
- Analyzed data and produced graphs from eight databases for the monthly and year-end report
- Upgraded report format and introduced quality setpoint standards
- Streamlined data entry using VBA and OCR (text recognition)

## MEMBERSHIPS & ACTIVITIES

**Member**, *Association for Computing Machinery*

**Member**, *Zeta Beta Tau fraternity on the Tufts campus*

**Speaker**, *NERCOMP Conference*: "Hiring, Training, and Retaining Strong Student Workers"

**NOLS (National Outdoor Leadership School)**, Palmer, AK, July 2004

Leadership, Communication & Backpacking Course