

# SAM BRADLEY

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## OBJECTIVE

Software Developer

## EDUCATION

University of Minnesota — B.S. Computer Science, 2007

University of Minnesota — Math Minor, 2007

## COURSEWORK

Computer Science I and II, Software Development, Software Engineering, Operating Systems, Computer Architecture, Natural Language Processing, Computer Graphics, Calculus I and II, Discreet Math, Statistics, Differential Equations with Linear Algebra.

## EXPERIENCE

### UNDERGRADUATE RESEARCH OPPORTUNITIES PROJECT, UNIVERSITY OF MINNESOTA; DULUTH, MN - 2007

- Research the performance increase of a graphics processing unit versus a general purpose processing unit
- Program OpenGL and C++ to access graphics hardware resources
- Meet and cooperate with faculty advisor
- Analyze and report findings

### ADVANCED LEVEL STUDENT WEB DEVELOPER, UNIVERSITY OF MINNESOTA; DULUTH, MN - 2004-2007

- Use Perl, PHP, HTML and MySQL to develop web based database applications
- Utilize Perl and MySQL to create eGradebook, an online grading system for students and faculty
- Develop online directory system using Perl and MySQL
- Use regular expressions to create dynamic web pages
- Update and maintain legacy code for various systems such as inventory systems, work order systems, online application systems etc.
- Meet with clients to determine software specifications
- Design and develop web database applications
- Test and debug code

### LAB CONSULTANT, UNIVERSITY OF MINNESOTA; DULUTH, MN - 2001-2004

- Supported students and faculty in computer labs with software and hardware issues such as using software and printing
- Submitted trouble reports to appropriate department for unresolved issues
- Issued printing refunds when necessary
- Assisted in installing software and hardware
- Trained for and assisted with faculty workshops

## ACHIEVEMENTS

Nominated for the University of Minnesota Duluth student employee of the year 2007

## SKILLS

### LANGUAGES

Perl, HTML, PHP, C/C++, SQL

### OPERATING SYSTEMS

Mac OS X, Unix, Windows x

## OTHER PROJECTS

### PEP BAND WEB PAGE

Developed current page for UMD Pep Band using PHP: <http://www.umdpepband.org>