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Education

Franklin W. Olin College of Engineering - Needham, MA

Candidate for B.S. in Electrical and Computer Engineering; GPA: 3.9 / 4.0

May 2007

- Received full tuition and room scholarship for four years

Billings West High School - Billings, MT

Class valedictorian; GPA: 4.0 / 4.0

May 2003

Coursework Includes

User-Oriented Design
Human Interface Design
Computer Science / Theory
Digital Signal Processing
Software Systems / Design
Computer Architecture

Digital Photography
Sound and Video Production
Electricity and Magnetism
Circuit Design
Systems Modeling
Digital Logic

Differential Equations
Vector Calculus
Linear Algebra
Probability and Statistics
Discrete Mathematics
Business and Entrepreneurship

Skills

XHTML / CSS / AJAX
PHP
MySQL / MSSQL
XML / XSLT

Digital Photography
Photoshop / Fireworks
Python
Javascript / Actionscript

pSpice / Cadence
PIC Assembly
Logic Design / Verilog
MATLAB

Related Experience

Olin College – Needham, MA

Research Assistant, Professor Lynn Andrea Stein Present

- Applied semantic web principles and technologies to a student media sharing application

Teaching Assistant, Foundations of Computer Science Spring 2005, Present

- Assisted Professor Lynn Stein with curriculum development and course organization
- Designed projects to illustrate fundamental concepts and prepared associated code

Web Developer, Office of Communications Summer 2005

- Independently developed web-based photo management application using PHP and MySQL
- Worked with staff and administrators to tailor project requirements to community needs

Student Assistant, Office of Post Graduate Planning Summer 2005

- Designed and conducted usability analysis of office website involving community feedback
- Created content for student job spotlights and coordinated photo shoots

USB Peripheral Project, Principles of Engineering (course) Fall 2004

- Worked with 2 students to design and fabricate USB Human Interface device
- Incorporated software design, circuit design, fabrication, and teamwork in one experience

Teaching Assistant, Seeing and Hearing Fall 2004

- Assisted students with digital photography, audio, and video equipment and software

Zee Creative Web Design – Billings, MT

Web Developer Summer 2004

- Helped to design, program, and launch over 15 web applications for area businesses
- Promoted to lead developer for several projects after exhibiting ability to learn quickly

Activities and Leadership:

Big Brothers of Massachusetts Bay – Lunchtime Program

Fall 2005 – Present

- Visiting “little brother” in 4th grade for lunch and recess twice a month