Term Address
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KRISTEN WHALEY

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3 Bertis Adams Way
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EDUCATION

Massachusetts Institute of Technology *Cambridge, MA*
Candidate for Bachelor of Science in Chemical Biological Engineering (GPA 4.8/5.0), June 2011
Relevant Courses: Thermodynamics, Genetics, Organic Chemistry, Fluid Mechanics, Transport Processes, Biochemistry, Chemical Kinetics and Reactors, Experimental Biology and Communication

EXPERIENCE

Genzyme: Manufacturing Engineering Intern *Framingham, MA*
June 2010 – August 2010
- Provided support to manufacturing during the start-up of a new facility

Bioengineering Project Laboratory (Producing Biofuels from Sorghum) *Cambridge, MA*
February 2010 – May 2010
- Designed an integrated bioprocess for the pretreatment of Milo sorghum by optimizing the temperature and pH at which 2 enzymes hydrolyzed sorghum feedstock

Genzyme: Global Cell Banking Intern *Framingham, MA*
June 2009 – August 2009
- Conducted cell culture post-banking handling case studies, analyzed serum viability, and evaluated pyrogel cryoblocks

Bosak Laboratory Student Researcher *Cambridge, MA*
February 2008 – August 2008
- Isolated cyanobacteria which formed distinct conical structures through bacterial selection
- Inoculated cyanobacteria into liquid medium to ensure the presence of the species of interest

ACTIVITIES / LEADERSHIP

MIT Varsity Women's Basketball *Cambridge, MA*
October 2007 - Present
- 2 year captain; 2 year NEWMAC Winter Academic All-Conference Team

Tau Beta Pi Engineering Honor Society *Cambridge, MA*
February 2010 - Present
- Webmaster; officer meetings occur 1-2 times a month

Student Athlete Advisory Committee (SAAC) Executive Board *Cambridge, MA*
February 2009 - Present
- Designed the committee's website; website administrator

MIT Teaching Assistant – Electricity and Magnetism *Cambridge, MA*
February 2009 – May 2009, February 2010 – May 2010
- Answered questions and taught material (5 hr/week), graded problem sets (3 hr/week), prepared for class and met with professor (2 hr/week)

Autonomous Robot Design Competition (6.270) *Cambridge, MA*
January 2009
- Participated in a month long team competition to design an autonomous lego robot which can capture balls on a playing field and put them in a goal; movements programmed in C

SKILLS

Computer: MATLAB, Python, MS Excel, MS Word, MS Powerpoint, familiarity with Java and C
Laboratory: Cell culture (bacteria and mammalian), aseptic techniques, PCR