

## Shane Woolwine

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### Education

**Johns Hopkins University Class of 2009**  
*B.S. in Computer Engineering, M.S.E in Computer Science*

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### Objective

*To use my computer science and electrical engineering experiences to create clever and effective solutions to address consumer needs.*

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### Involvement

- IEEE-JHU 2008 - present
  - Engineers Without Borders, 2005-present
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### Internships, Leadership and Research

- Engineering Intern – Infinite Biomedical Technologies, Summer 2009
    - *Implemented seizure detection software on embedded hardware. Also participated heavily in developing product ideas for EEG review software.*
  - Computer Consultant – Johns Hopkins Library, Winter 2008 – present
    - *Currently implementing a full-scale wireless sensor network for detecting occupancy of study rooms for patron use.*
  - Founder – SensorTrak Group
    - *Founder of SensorTrak Group, a group focused on creating and commercializing purposeful sensor network innovations. [www.sensortrak.com](http://www.sensortrak.com)*
  - Research – Computational Sensory-Motor Systems Lab JHU, Summer 2008-present
    - *Investigating wireless multiplexing addressing scheme on MicaZ nodes.*
  - President – IEEE Johns Hopkins Chapter, Fall 2008 - present
    - *Reinvented and resurrected the IEEE Johns Hopkins Student Chapter*
  - IT Assistant/Intern at Lombard Securities Incorporated, Fall 2006 – Fall 2008
    - *Basic web- including ASP, HTML, C, and Perl involving networking, computer assistant work and consultation in a professional setting.*
  - President – Engineers Without Borders, March 2007 – May 2008
    - *Lead an organization of students, faculty, and local professionals that works towards implanting engineering projects abroad.*
  - Project Leader for Honduras Water Project – Engineers Without Borders, 2005-2007
    - *Lead a group of students to develop and implement a water treatment service in a village in Honduras, involving project planning and budgeting*
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### Lab & Project Experience

- Object Oriented Software Engineering, Fall 2008
  - *Created sponsored software for remote health monitoring for consumer use.*
- Product Design Lab and Electronic Design Lab, Fall 2007 & Spring 2008
  - *Worked with a project team to develop an electronic commercial product*
- Biomedical Instrumentation, Fall 2008
- Wireless Sensor Networks, Fall 2007
- Distributed Systems Programming, Fall 2006