Alex Shovlin

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EDUCATION

BS Computer Engineering (May 2013)
The Pennsylvania State University, University Park, PA
GPA: 3.33

SKILLSET

Daily: Java, MySQL, Hibernate
Monthly: HTML/CSS, JavaScript, PHP
A couple times for a school project: C, C++, 6811 Assembly, Scheme, VHDL
Comfortable on Windows, Max OS X, or Linux

EXPERIENCE

Penn State Applied Research Laboratory   University Park, PA
Undergraduate Researcher (August 2012 – Present)
Prototyping components of DARPA's Adaptive Vehicle Make project. Using Java, PostgreSQL with Hibernate, and Apache FOP to dynamically generate assembly instructions for new defense vehicles.

Amazon.com
Software Engineer Intern (May 2012 – August 2012)   Seattle, WA
Gathered requirements, designed, and implemented a service that provides an API for internal tools to manage advertising product information in Java using MySQL and Hibernate.

Agilent Technologies
R&D Software Engineering Intern (May 2011 – August 2011)   Budd Lake, NJ
Implemented a firmware update utility in C# .NET using Windows Forms which consolidated two older versions to eliminate fragmented product support, as well as supported future hardware releases.

LEADERSHIP

Penn State Association for Computing Machinery (ACM)
President (Spring 2011 – Present)
• Manage team of six officers who plan and run all club meetings and events
• Tripled active membership over two years as president.
• Competed in 2011 ACM International Collegiate Programming Competition.
• Created *CodePSU*, a semesterly programming competition and *PSU Game Jam* an annual game development hackathon.

Penn State IFC/Panhellenic Dance Marathon
Technology Captain (May 2012 – August 2012)
• Maintained Drupal-based *www.thon.org* (240,000+ unique hits in 2010)
• Maintained PHP/MySQL event access system, used by 18,000+ guests at THON 2012
• Developed mobile webapps, deployed to native iOS and Android with Titanium.