Abby D. Langner

abbylangner@gmail.com

Proficient Technologies

JavaScript CSS HTML PHP WordPress

Advanced JavaScript Technologies: jQuery, jQuery-UI, HighCharts, API consumption via AJAX
Comfortable IDE's: NetBeans, Eclipse, Notepad++, RubyMine, TextWrangler, Brackets.io

Experience

Freelance Technical Trainer and Web Developer (Oct 2012–Present)
Various Clients, International • www.abbysdoor.com

- Develop web applications in variety of technologies—specialize in JavaScript/jQuery and CSS
- Communicate with international clients in varying-sized teams at all stages of the project life-sycle
- Contract to teach HTML & CSS coursework with The Bold Edge (http://theboldedge.com/)
- Tutor programming students and professionals online using Webex for screen sharing

Web Developer (May 2012–September 2012)
Agape Red, Omaha NE • www.agapered.com

- Developed Ruby on Rails applications for a variety of client needs
- Specialized in advanced front-end development—JavaScript, HTML, CSS, WordPress Theming
- Headed 2 projects (JavaScript/CoffeeScript and Rails)

Teacher (Aug 2010–May 2012)
Omaha Public Schools, Omaha NE • www.ops.org/high/central

- Wrote Advanced Web Design Curriculum using HTML, CSS, JavaScript, PHP, FTP, PhotoShop
- Taught 1st-year and 2nd-year Web Design and Algebra

Supplemental Instruction Leader (Sep 2007–Dec 2009)
The University of South Dakota, Vermillion SD • www.usd.edu

- Provided group study sessions and additional instruction for Computer Science I in Java
- In 1st year, decreased the Drop/Fail/Withdrawal rates in Computer Science I from 32% to 15%

Technology Counselor (Jun 2008–Jul 2009)
Emagination Computer Camps, Lake Forest IL • www.computercamps.com

- Wrote Advanced Web Design Workshop in HTML, CSS, JavaScript, PHP, MySQL, FTP, Notepad++
- Taught Advanced Web Design, Web Design, Robotics, Programming Logic, and other daily workshops

Harry Potter Fansite Webmaster (Jun 1998–Jul 2008)
Personal Project • www.harrypotterrumors.net (no longer published)

- Developed web site in HTML, CSS, JavaScript, PHP, Perl, MySQL, FTP, PhotoShop, Notepad++
- Managed social features (forum) and search engine optimization (SEO) to generate traffic
- Gained a loyal repeat user base of 1000+ unique daily visits through summer of 2005

Summer Intern (Jun 2007–Jul 2007)
NASA Marshall Space Flight Center, Huntsville AL • www.msfc.nasa.gov

- Implemented image processing library in IDL to be used on rover missions to the moon and Mars

Bioinformatics Web Developer (May 2006–May 2007)
The University of South Dakota, Vermillion SD • www.usd.edu

- Wrote Web applications in HTML, CSS, JavaScript, PHP (with PEAR), Java
- Pioneered the bioteam's AJAX development
- Developed Web applications which assisted in biomedical research and their grant management

Education

The University of South Dakota (Aug 2005–Dec 2010)   GPA: 3.8/4.0
Bachelor of Science in Computer Science
Bachelor of Science in Secondary Mathematics Education

Organizations and Annual Activities

Nebraska Humane Society
    PetSmart volunteer, May 2013-Present

ACM's Computer Science Teachers Association
    Member, Nov 2008-Present

Association for Computing Machinery
    USD Chapter Chair, Fall 2007-Spring 2009
    USD Chapter Treasurer, Fall 2005-Spring 2007

Academic Honors

Phi Beta Kappa – USD Alpha Chapter (Inducted Apr 2009)
Upsilon Pi Epsilon (Computer Science Honor Society, Apr 2008)
Pi Mu Epsilon (Mathematics Honor Society, Apr 2009)
National Merit Scholar (Full Scholarship to USD)

Additional Experience

Math and ACT Prep Teacher (Oct 2012–Oct 2013)
Sylvan Learning Centers, Omaha NE • www.sylvanlearning.com
- Provided homework support to high school math students
- Utilized the Sylvan Method for teaching math at all grade levels
- Prepared students for ACT examination using math review and test-taking skills

Freelance Tutor (May 2010–Aug 2011)
Various Clients, Omaha NE Area
- Assisted 2 clients with Web site development lessons and e-commerce project
- Prepared and taught lessons for 6 clients in middle school math, college algebra, and statistics

Typist (Jan 2010–May 2011)
Quicktate, www.quicktate.com
- Transcribed voice mails in almost-real-time
- Typed 80 wpm with high accuracy

Network Maintenance Tech (May 2004–Jul 2005)
Yankton School District, Yankton SD
- Upgraded networking hardware and software
- Upgraded Windows workstations and saved district $300,000+ converting some to Linux thinstations

Copy Editor/News Clerk (May 2003–Jul 2005)
Yankton Daily Press and Dakotan, Yankton SD
- Typed and edited press releases, letters, and announcements for print in daily publication
- Proofread final pages for daily news and opinion sections distributed to 8,000+ circulation