Mandi Alexander

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MandiAlexander.com

Web Developer/Programmer

Experienced developer with an enthusiastic and innovative attitude. I enjoy working with a team towards a shared goal and am always looking to learn new skills and approaches. I have extensive experience in diverse topics and environments, which allows me to adapt quickly to new work situations and view problems from multiple angles. I work comfortably in a variety of roles with all kinds of people.

Summary of Qualifications

- PHP, MySQL, HTML, CSS, Javascript, Sass/SCSS, C++, Java
- Experienced in working collaboratively both in person and remotely
- Excellent time management skills (both long and short-term)
- Proven group management and organization skills
- Adept at presenting complex concepts and analyses to people at all levels

Programming Experience

Programmer   2011 –2013
Center for Research Methods and Data Analysis   Lawrence, KS
- Developed internal PHP/MySQL applications and plugins
- Guided the Center's website through multiple CMS transitions (Wikimedia and Drupal)
- Adapted and managed a ticket tracking system to track project hours
- Web and Tech Consultant for annual statistics institutes (Stats Camp)

Web Developer   2008 – 2011
Self Employed
- Built or improved small content-based sites and large media-based e-commerce sites
- Quickly learned existing code-bases to deliver results with minimal delays
- Earned the praise of one employer after taking over for a team that had not met their needs
- Communicated closely with clients, often making changes on short notice
- Built databases, dynamic elements, and user interfaces that allowed owners to update content without technical background
- Worked with designers and other contractors to integrate components of large projects

Front End Developer   2006 –2008
Technorati Inc.   San Francisco, CA
- Restructured several outdated areas of the site, including the site's account section and widgets
- Worked independently as well as on small teams to create new features
- Earned highest marks on my annual review

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Education

Harvard University/Edx   2015 – Present
Taking Harvard's online version of CS50, an introduction and survey of programming, for review

University of Kansas   2011 – Present
Ph.D. Student in social and developmental psychology with an emphasis on Quantitative Methods (structural equation modeling, categorical, intraindividual, and test theory)

University of Nebraska at Omaha   2009 – 2011
M.S. in Developmental Psychology; Coursework in Regression, ANOVA/ANCOVA, Multi-level modeling

Foothill College   2005 –2007
Coursework in HTML/XHTML, XML, Java, JavaScript, PHP/MySQL, PERL, Dreamweaver and Flash

Stanford University   2000 –2005
BA in Studio Art. Coursework in Photography, Computer Science, Neuroscience, Spanish, Italian, Arabic, Humanities and Archaeology among others

Additional Professional Experience

Graduate Researcher   2013 - Present
Gillath Lab   Lawrence, KS
- Designed an app for the iThrive Resilience Challenge to gamify psychological health
- Collaborate with researchers, assistants, administrators, and participants on projects
- Independently recruited and led a team to organize a professional conference
- Improved accuracy and efficiency by writing a program to automate complex study schedules
- Manage and give feedback to undergraduate research assistants

Assistant Instructor   2013
University of Kansas   Lawrence, KS
- Served as the emergency instructor for an upper-level undergraduate course (90 students)
- Prepared all course materials and organized teaching assistants on two weeks notice
- Highly reviewed by students as approachable and able to make concepts engaging

Graduate Teaching Assistant   2011 - Present
University of Kansas   Lawrence, KS
- Taught R programming to 40 Graduate-level students with no programming experience
- Made complex statistical underpinnings, methods, and psychological concepts understandable
- Managed and engaged classrooms of 30 to 300 students
- Oriented new professors and TAs to novel classroom management methods