Sarah M Watson

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Citizenship: United States of America, European Union (Belgium)

WORK EXPERIENCE

Encompass Digital Media (Atlanta, GA)   *Software Engineer*   Jan 2015 – Present
DVIDS (Defense Video & Imagery Distribution System)
- Worked with a team of developers to increase the functionality and usability of a PHP-based custom CMS (Content Management System) for Department of Defense media distribution using Zend & Laravel MVC frameworks and Mercurial source control
- Generated custom MySQL reports and programmed a RESTful API (Application Program Interface) for an automated reporting system of media distributions, downloads, placements, Teletrax detections, communication objectives, and audience metrics
- Integrated the reports interface with Google Charts API to deliver spreadsheets and interactive graphs and maps for data analysis

Blue Key Interactive (Atlanta, GA)   *Web Developer / Sr. Programmer*   March 2014 – Present
- Programmed custom web and native mobile applications using a combination of PHP and JSON
- Created custom plugins for WordPress to enhance website functionality
- Implemented third-party API modules (including e-Commerce) on web applications that were coded with PHP, AJAX, JQuery, HTML, and CSS

Eclipse Web Media (Atlanta, GA)   *Web Developer / Sr. Programmer*   May 2011 – Jan 2015
- Programmed custom internal management systems and social media platforms in PHP
- Assisted with information architecture for custom web applications and created MySQL databases
- Developed and maintained responsive-design websites using content management systems such as WordPress, WordPress Multisite, and Business Catalyst

College of Computing, Georgia Institute of Technology (Atlanta, GA)   May 2009 – Sept 2011
- Created and maintained an instructive website containing tutorial videos on creating interactive movies and games in ALICE 3D animation software for middle school and high school students
- Assisted with and led middle and high school camps and workshops on Scratch animation, ALICE 3D animation, and LEGO NXT robots
- Created a demonstration Arduino wearable computer project for high school student workshops

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EDUCATION

Georgia Institute of Technology (Atlanta, GA)   Aug 2016 – Present
- M.S. in Computer Science

Georgia Institute of Technology (Atlanta, GA)   Aug 2007 – May 2011
- B.S. in Computational Media, Double Minor in French and Spanish
- Cumulative GPA: 3.87/4.00 (Highest Honor)

SPECIAL SKILLS

Computer Skills:
- Programming & Coding:
  - Java, C, Python
  - PHP, MySQL
  - HTML5 CSS3, JavaScript, jQuery, JSON, AJAX, XML
  - Linux Terminal, Mercurial source control
- Content Management Systems/Frameworks: Zend, WordPress
- Design/Animation Software: Adobe Creative Suite, Maya
- Other Software: Microsoft Office, Processing (IDE)

Languages:
- English (native)
- French (conversational)
- Spanish (conversational)

COURSES

Basics of Visual Design, Computability Complexity & Algorithms, Computer Graphics, Computing and Society, Constructing Proofs, Digital Video Special Effects, Education Technology, Film Studies (courses conducted in English, French, & Spanish), Interaction Design, Media Device Architecture, Object Oriented Programming, Technologies of Representation, User Interface Design

ACTIVITIES & ACCOMPLISHMENTS

Georgia Aquarium Dive Operations Volunteer   Sept 2010 — Present
- Volunteered over 600 hours since September 2010
- Logged 100+ maintenance dives in various exhibits

SCUBA Diving:
- Certified NAUI Rescue SCUBA Diver
- Enriched Air Nitrox, CPR, First Aid, AED, Oxygen Administration certified