

MIYAKO JONES

Web Developer Software Engineer

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PROFILE

Over 15 years of combined experience with website development and software engineering. Organized, responsible, hard-working, a team player and a self-starter. Skills include:

- Client-side development.
- Server-side development.
- Object-oriented development.
- Testing, debugging, and documentation.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, PHP, JSON, XML, C++, Java, Python, Assembly

Libraries: jQuery

Frameworks: Bootstrap, Daemonte's Material UI

Methodologies: UML, Agile, Google's Material Design

OS: Windows, Linux

Databases: MySQL, Firebase

Software: Eclipse, Drupal, Oracle SQL Developer, Dia, SharePoint, NetBeans, Visio

EDUCATION

University of Michigan-Flint, Flint, MI

- Master of Science, Computer Science
- 3.7/4.0 GPA
- Graduation date: Apr. 29, 2016

University of Michigan-Flint, Flint, MI

- Bachelor of Science, Computer Science – Software Engineering (Honors)
- Minor: Computer Information Systems
- 3.61/4.0 GPA
- Graduation date: Dec. 19, 2012

WORK HISTORY

UNIVERSITY OF MICHIGAN-FLINT, Flint, MI (2007 to present)

Web Developer, Dept. of Computer Science (May 2016 to present)

Developed web-based tools using HTML, JavaScript/jQuery, CSS, Bootstrap, and PHP to assist Flint residents and city officials with navigating the Flint Water Crisis.

- Worked with Google UX designers to develop a responsive, user-friendly website.

UNIVERSITY OF MICHIGAN-FLINT (Continued)

- Leading role in designing and developing backend logic to connect web tools to Google Cloud products such as Cloud Storage and Cloud SQL.
- Led a team of 4 developers in client-side and server-side development.
- Developed and released open source software.

Office Assistant/Webmaster, Honors Program (Jan. 2013 to Present)

Assisted program staff with the administration of the Honors Program.

- Developed and maintained a SharePoint website and workflow processes for Honors off-campus applications.
- Developed and maintained a SharePoint site for Honors theses.
- Developed and edited content for the Honors Program website using Drupal.
- Communicated professionally with faculty, staff, students, and alumni.
- Assisted with the revision of business processes.
- Distributed information at student orientation sessions and assisted with student recruitment.
- Wrote and edited articles for the Honors Discovery newsletter and Honors blog.

Graduate Student Research Assistant, Dept. of Computer Science (Mar. 2016 to Apr. 2016)

Assisted with the research and development of software products.

- Developed an editor using HTML, CSS, and JavaScript/jQuery for updating the Firebase database used for the H2Oflint Android app.
- Researched solutions for a virtual lab system that integrated audio and video communications technology.

Desktop Publisher/Web Developer/Research Assistant, Office of Research (Feb. 2009 to Dec. 2012)

Assisted with the creation and maintenance of the the Linden Legal Aid Centre website using HTML, CSS, JavaScript, and PHP.

- Designed the newsletter of the Linden Legal Aid Centre.
- Assisted with information research for the Linden Legal Aid Centre website and newsletter.
- Established variables and entered data using IBM SPSS software.

Volunteer Software Developer, Dept. of Nursing (Sep. 2009 to Jun. 2012)

Worked with a team to develop a transcultural nursing educational game for undergraduates.

- Created UML-based software artifacts such as use cases and sequence diagrams.
- Wrote a software requirements specification for a software component.
- Constructed companion software for the nursing game using Java.
- Created PHP scripts to transfer data from a Flash application to a remote MySQL database.

Research Assistant, Dept. of Philosophy (Oct. 2011 to Dec. 2011)

Developed a website for a philosophy professor using HTML, CSS, and JavaScript as well as conducted research on his scholarly impact.

UNIVERSITY OF MICHIGAN-FLINT (Continued)**Volunteer Software Developer, Dept. of Biology** (May 2010 to Aug. 2010)

Worked with a team to design a biology/chemistry educational game for undergraduates using UML.

- Successfully reused a framework previously developed for a similar educational game.

Office Assistant/Webmaster, Dept. of Philosophy (May 2008 to Apr. 2009)

Assisted faculty and staff with the administration of the department.

- Answered telephone calls using a multi-line system.
- Answered questions from staff and students.
- Maintained department website.
- Digitized course materials.

Website Developer/Webmaster, Various Departments (Aug. 2007 to Apr. 2009)

Created and maintained the websites of several academic departments and programs using HTML, CSS, and JavaScript.

- Designed and developed informational pop-ups for department courses.
- Created instructor web pages.
- Updated information and maintained its accuracy.
- Utilized a content management system to maintain web pages.

SPECIAL PROJECTS**Honors Program Thesis** (2012)

- Project: "Using an Interactive Genetic Algorithm for Web Page Design"
- Designed and developed a PHP web application that utilizes an interactive genetic algorithm to dynamically generate stylesheets.

Undergraduate Capstone Project (2012)

- Worked with a team to develop an EMR application for an Android tablet.
- Helped design and develop the interface and back-end of the application.
- Created UML-based software artifacts such as use cases and class diagrams.
- Helped to write a software design document for the application.

Honors Program Off-Campus Study (2009)

- Project: "Developing a Robot Toy for Children with Cerebral Palsy"
- Worked with Dr. Ayanna Howard at the Georgia Institute of Technology as a participant in the Summer Undergraduate Research Experience in Engineering/Science Program sponsored by NSF.
- Designed a special interface to control the robot using the Boardmaker Plus! special education software.
- Contributed to the development of the technique used to send commands to the robot via a batch script.