Tom Auty

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EDUCATION

University of Michigan Ann Arbor, MI • Bachelor of Science in Computational Informatics, Dec 2013

- Relevant Coursework:

  Computational Informatics · Information Systems Design and Programming (Programmed in Java/JDBC and utilized threads/binary search trees) · Data Structures & Algorithms (Studied fundamental data structures and sorting/search algorithms. Applied them to create practical programs and games) · Programming Languages (Learned the Java language thoroughly. Built projects using threads, Swing, and factory methods) · Design of Complex Websites (Created websites with HTML5/CSS/JavaScript and Python templates/Django.) · Intro to Artificial Intelligence (Created artificial agents in C++/Java, studied complex agent-based algorithms and models) · Database Management Systems (in progress) · User Interface Development (in progress)

WORK HISTORY

University of Michigan - Housing IT Office (2011-Present)

Computer Consultant

- Engage with students and staff to troubleshoot and resolve a variety of computer issues such as network connectivity, hardware issues, life cycles/replacements, and application installation and configuration.
- Regularly consult with and refer problems to network administrators in a fast-paced environment to better diagnose and expedite issues on the University's housing network.
- Took on scripting parts of the inventory management system to increase efficiency of disbanding ranges of housing machines.
- Issue maintenance requests and review them to identify trends and global concerns for determining root-cause solutions.

WCBN-FM Ann Arbor (2010-Present)

Web Developer

- Collaborated with three others to develop a new website for the radio station written in Drupal/PHP (wcbn.org).
- Assisted in the creation of new Drupal modules to perform specific WCBN-exclusive tasks such as streaming from the station's server and entering playlist data.

WCBN-FM Ann Arbor (2011-Present)

Assistant General Manager

- Handle all disbursements, reimbursements and deposits for the station
- Keep detailed records of expenditures and donations/deposits.
- Regularly update the station staff (of around 50 people) with information regarding budgets and guides for receiving reimbursements from the station's SOAS account.

PORTALS (portalsmusic.com) (2011-Present)

Web Developer/Designer, Team Member

- Assisted in developing the site conceptually and programatically from the onset of the site's conception.
- Regularly issue updates and optimize PHP code to improve page load times and improve site aesthetics.
- Collaborate regularly on issues regarding reaching out to other communities and artists.

SKILLS

- Proficiency in software development in Java, C++, HTML/CSS/JS, MySQL, PHP
- Proficiency with UNIX, Windows, Mac OS X.
- Familiarity with Threads, Sockets, Android Programming, Bash scripting, Ruby (+ Rails)