

# TOM AUTY

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## EDUCATION

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

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**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

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- Proficiency in software development in Java, Python, C#, C++, HTML/CSS/JS, MySQL/JDBC, PHP.
- Proficiency with UNIX, Windows, Mac OS X.
- Familiarity with Threads, Sockets, Android Programming, JSP, ASP/.NET, L<sup>A</sup>T<sub>E</sub>X, Perl, Bash scripting, Ruby (+ Rails)