

303 Palmers Lane
Wallingford, PA 19086

☎ 484 802 3882

✉ garrettfrobinson@gmail.com

🌐 garrett.im

Garrett Robinson

Education

2007–2011 **Bachelor of Arts in Computer Science**, *Oberlin College*, Oberlin, OH.
advanced Networks, Systems Programming, Computer and Information Security, Computer
courses Graphics, Information Theory
awards National Merit Scholar 2007; Creativity and Leadership Stipend 2011

Skills

languages Python, Java, C++, C, Ruby, Bash Scripting, \LaTeX , HTML, CSS, Javascript
frameworks Django, JQuery
software Vim, Emacs, Git, Subversion, Eclipse, Adobe, Final Cut, Pro Tools, Microsoft Office
OS Proficient in Debian, Ubuntu, and CentOS Linux, OpenBSD, and Mac OS X
Experienced in Linux system administration
other Web Design, Graphic Design, Writing

Experience

Current

January **Lead Developer**, *Honest Appalachia*.
2011–Present Developing a platform for the secure, anonymous document upload aimed at assisting whistle-blowers. Supported by a Creativity and Leadership stipend from Oberlin College and a grant from the Sunlight Foundation. Website: www.honestappalachia.org
○ Developed a Tor hidden service that allows users to anonymously upload files; encrypts and securely stores files.

June **Web Developer**, *The Alliance for Appalachia*.
2011–Present Designing a new website for a coalition of non-profit groups, focusing on integrating their individual social media efforts. Development site: <http://appalliance.webfactional.com>
○ Created a flexible CMS using open-source FeinCMS for administrative users to edit content directly on the page
○ Developed an aggregator and interactive search engine for feeds from Facebook, Twitter, and RSS/Atom
○ Content editors can update the site's blog by e-mailing posts to the server (similar to Posterous)

Relevant Previous

- June 2010–May 2011 **Researcher, Software Developer, Oberlin College Computer Science, Oberlin, OH.**
Developed Xenlabs, an platform for security assignments using Xen virtualization and highly object oriented Python scripts, with funding from the NSF.
- Used Debian Linux, Xen, and Python scripts to automatically provision and network groups of virtual machines for students to use in interactive computer security assignments.
 - Software was used by 25 students in Oberlin's Spring 2011 Computer and Information Security course, will be used at SUNY Oswego in the fall;
 - Presented work at Ohio Five Summer Research Symposium;
- January 2011–May 2011 **Web Designer, Appalachia Rising, Oberlin, OH.**
Created a new website for an environmental non-profit organization.
- Developed a custom CMS using the Django web framework;
 - Wrote clear documentation and trained content editors in using the CMS;
- January 2010 **Web Development Intern, Skritter, Oberlin, OH.**
Made improvements to an existing website as an intern for a language-learning startup
- Implemented client-side salted MD5 hashing of passwords in Javascript to improve the security of user authentication
 - Re-worked graphic design and user interface for the user login and testimonial portions of the website. Implemented dynamic animation and AJAX interaction using JQuery.
- Feb. 2010 - May 2011 **Grader, Lab Helper, Oberlin College Computer Science, Oberlin, OH.**
- Graded C/C++ code for CS 241 - Systems Programming
 - Graded problem sets for CS 280 - Algorithms
 - At weekly help sessions, assisted students in introductory courses with assignments.

Leadership/Extracurriculars

OHack Cooperative Hackerspace

- + Co-founder; found a faculty sponsor and secured equipment donations
- + Wrote proposal to rent space from OSCA, a student cooperative association
- + Communicated regularly with college organizations and faculty sponsor

OSCA (Oberlin Student Cooperative Association)

- + Harkness Housing Loose Ends Coordinator (HLEC) 2009-2010
 - Used consensus to facilitate weekly 60-person house meetings;
 - Acted as a mediator for conflicts in the community;
 - Participated in weekly meetings with OSCA and Oberlin College ResEd staff
- + Head cook and/or bread maker for three years
 - Cooked 1-2 meals or baked bread every week for 60-100 people;
 - As head cook, coordinated a team of 6 students to plan and prepare meals

WOBC - Oberlin College and Community Radio

- + Studio Engineer
 - Promoted and engineered frequent recording sessions;
 - Successfully petitioned for funds from the Student Financial Committee (SFC)
 - Worked with Student Union to resolve issues with noise complaints;