

Technologies

- **Languages:** Ruby, Python, Javascript, C, Java
- **Web:** HTML5, CSS3, SCSS
- **Frameworks:** Ruby on Rails, Middleman, CherryPy
- **Utilities:** Unix/Linux, bash, zsh, git, vim, tmux, LaTeX
- **Other technologies:** AWS, Docker

Career Experience

- **Red Hat** Westford, MA
Software Engineering Intern *June - August 2015*
 - Built companion application for FreeIPA to handle self-service use cases.
 - Devised secure self-service password reset and user registration schemes.
 - Created captcha system requiring no server-side image storage.
- **Nine (nine.is)** Tuscaloosa, AL
Software Engineer *November 2013 - August 2014*
 - Performed full-stack development and maintenance of large-scale Ruby on Rails web applications for health care businesses, real estate agencies, and government.
 - Maintained legacy PHP websites.
 - Communicated technical concepts to nontechnical clients.
- **NSF Research Experience for Undergraduates** Tuscaloosa, AL
Software Engineering *Summer 2013*
 - Designed and programmed educational modifications for teaching circuits at a college level using the popular video game Minecraft.
 - Fleshed out and implemented finer details of higher-level design requirements provided by advisors.

Projects

- **Retrospective** UA Creative Campus
<https://github.com/dperny/retrospective> *January 2015 - Present*
 - Interactive map that plots audio stories about places on UA campus.
 - Uses Google Maps API and Soundmanager2 library.
- **DayBreaker.co** Startup Weekend Tuscaloosa
<https://github.com/MasterTasker/DayBreaker> *September 2014*
 - Led a team of professional and student developers to construct a time-management application.
 - Built a functional prototype in two days.
- **dperny.net** November 2014
<https://github.com/dperny/dperny.net>
 - Built totally custom site with Middleman and hosted on Github Pages.
 - Extensively used latest web concepts such as semantic HTML5 and CSS3 flexboxes.
 - Open-source and MIT licensed.

Education

- **The University of Alabama**

B.S. Computer Science

- National Merit Finalist
- Engineering Leadership Scholarship recipient
- 3.66 GPA

Tuscaloosa, AL
2012-2016 (expected)

Leadership and Service Experience

- **Head Judicial Officer**

The Mallet Assembly

December 2013 - Present

- Maintained, revised, and rewrote the constitution for the longest continuously running honors program at the University of Alabama.
- Presided over disciplinary hearings and worked with University administration to uphold the student code of conduct.

- **Vice Chair**

Association for Computing Machinery, UA Student Chapter

January 2013 - September 2013

- Coordinated guest industry events such as Microsoft appLab.
- Planned and executed chapter social events.