

Andrew Wetherington

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211 Hitt Street Apt. 1 Elm
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EDUCATION

University of Missouri-Columbia
Bachelors of Arts in Computer Science (Expected May 2016)
Bachelors of Science in Biological Science (Expected May 2016)
· Cumulative GPA 3.502/4.000 & Honors College member

PROJECTS/SKILLS

Advanced Experience — Ruby, C, Java, Lua, C#, LINQ, SQL, CSS, JQuery, Javascript, PHP, ASP.NET MVC, Rails
Proficient Experience — ASP.NET Web Forms, Bootstrap, CasperJS, HAML, Jade, Node, Sinatra

Honor and Chaos (www.honorandchaos.com) May 2012 - present
· Developed game server with interactive website and hosted 30 to 40 concurrent online players.
Twitter Public Checker (twitterchecker.herokuapp.com) November 2013
· Implemented application for lexical analysis on user's Twitter account to find and remove negative tweets.
Unify (unifyco.herokuapp.com) July 2014 - present
· Developed a text-based alert and geolocation check-in system based on calendar events for clubs and organizations.
Research Excel Expediter (Python script) June 2013
· Wrote Python script (and tests) that combined Excel sheets and processed calculations saving 80 total hours of lab work.
Delta Chi Fraternity Webmaster (http://mudx.herokuapp.com) August 2013 - February 2014
· Developed custom website for my fraternity that replaced legacy static site.
Political Database August 2013 - May 2014
· Implemented application and front-end logic for 6 GB database displaying present US politician's financial connections.
Clever Text (clevertxt.herokuapp.com) +1(314) 775-9588 June 2014
· Created application that lets you text Cleverbot. Has processed over 200 conversations totaling over 6,000 texts.
Calorie Counter (Java standalone application) Spring 2011
· Developed Interactive library that tracked a user's calorie intake for dieting.
Personal Site (drewweth.herokuapp.com) July 2010 - present
· Created a personal site made with Rails to summarize my involvement and internet presence.
Pong - Rendition of the popular game Pong with custom features, made with Javascript Canvas. April 2014
Speed Reader - Reading tool that displays a user's passage at certain reading speeds, made with Javascript. April 2014

EXPERIENCE

Foliotek — Columbia, Missouri Summer 2014
Software Engineer Intern
· Developed a notification system with ASP.NET Web forms, freeing full-time developers to work on larger tickets.
· Design and implemented system-wide admin dashboard combining 5 databases made with ASP.NET MVC, removing customer service's need to imitate users and navigate sites manually.
· Created 53 integration regression tests with CasperJS, dramatically increasing site's robustness.
Researcher at University of Missouri (Chris Pires, Ph.D) August 2011 - January 2014
· Discovered confidence intervals of Illumina sequencing of low and simple complexity pattern recognition.
· Paper provides field biologists information to save thousands of dollars in potential sequencing costs and technician time.
Research Assistant at Washington University in St. Louis (Ken Olsen, Ph.D) June 2011 - Jan 2014
· Developed two important protocols for extracting reagents and modified protocol for bacterial plasmid extraction.
· Created successful qPCR protocol to determine specific gene copy number in clover.
Founder of "Loco Hot Coco" November 2009 - 2013
· Sold \$1400 worth of decorative hot chocolate packages during winter holidays.
· Profited \$650 and expanded group to five people over 2 years.
Programming Competitions
· Mega Miner AI competitions at University of Missouri S&T 2012, 2013
· Hack Mizzou at University of Missouri 2013
· Hack Illinois at University of Illinois 2014
· Mech Mania AI competition at University of Illinois 2013
· Hack Midwest 2014

HONORS/AWARDS

· Dean's List - Awarded 5/5 semesters at University of Missouri
· University of Missouri Honors College August 2013 - present
· International Baccalaureate Diploma May 2011

INVOLVEMENT

· Association for Computing Machinery (ACM) October 2011 - present
· National Society of Collegiate Scholars August 2013 - present
· Delta Chi Fraternity September 2011 - present
· Freshman Research In Plant Science August 2012 - May 2013

VOLUNTEER SERVICE

· Part-time emergency room volunteer at University Hospital, Columbia Missouri July 2014 - present
· Delta Chi Service, Columbia, MO - Trail cleanup, animal shelter, and Jimmy V fundraising 2012 - present
· St Patrick Center Volunteer, Saint Louis, MO - food bank organizing 2011 - 2013