Ian G. Young

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EDUCATION

Bachelor of Arts, Computer Science (with honors)
Grinnell College, Grinnell, IA
Cumulative GPA: 3.78

SKILLS

Languages: Ruby, JavaScript, CoffeeScript, PHP, Bourne Shell, Java, C, Python, Scheme
Other: Rails, Node.js, MySQL, CouchDB, Regular Expressions, HTML, CSS, LaTeX

WORK & PROJECTS

StockTwits, San Diego, CA
Web Developer   *Summer 2012 - Present*
- Implemented a custom A/B testing system to improve conversions and retention.
- Led major backend overhauls: Rails 2 → Rails 3, Ruby 1.9, and asset pipeline.
- Pinpointed bottlenecks that improved page rendering time by roughly 20%.

Amco, San Diego, CA
Web Developer   *Spring 2010 - Summer 2012*
- Lead developer on groundbreaking classroom web/mobile technology product.
- Built robust customer payments system to process ~80k transactions each summer.
- Drove tooling, testing, and best practices in both Rails and Node projects.
- Mentored junior developers through pairing, code reviews, and grab-bag code talks.

FISDAP, St. Paul, MN
Web Developer   *Spring 2008 - Spring 2010*
- Championed adoption of technology to improve code maintainability: an MVC framework, unit & integration testing, continuous integration, static analysis, and improved version control.
- Worked with multidisciplinary team to overhaul product usability.

Scisr, http://youngian.github.com/Scisr/
Lead Developer   *Winter 2009 - Present*
- Built a PHP refactoring tool that attempts static code analysis, using PHP_CodeSniffer under the hood.
- Maintain a PHPUnit test suite that provides 97% code coverage.

GrinnellPlans, http://code.google.com/p/grinnellplans/
Lead Developer   *Summer 2007 - Present*
- Develop features and refactor old code for Grinnell College's homegrown online community using PHP and MySQL.
- Currently rewriting the project in Rails.

Vim text editor, Google Summer of Code
Student Developer   *Summer 2007*
- Implemented a regular expression matching engine in Vim, based on nondeterministic finite automata theory.

Technology Consultant Corps, ITS, Grinnell College, IA
Helpdesk Coordinator, Technology Consultant   *Spring 2005 - Spring 2008*
- Ran Grinnell's Helpdesk and performed administrative duties for the TC Corps.
- Created the TC Wiki to serve as a persistent knowledge base for both the TC Corps and all of campus.
- Conducted training sessions for new Technology Consultants.

SERVICE

- Contributed code and bug reports to a number of free software projects, including Gentoo Linux, ChromaHash, Sneetchalizer, PHPUnit, and Firefox.
- Member of the Grinnell CS Student Planning Committee, Fall 2006 - Spring 2008
- Member of the Grinnell Student Technology Committee, Fall 2007 - Spring 2008