

Kevin J. Gessner

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Objective

I'd like to find an interesting and challenging summer internship doing real software development — not just being a desk-chained code slave.

Programming and Software Skills

- Scalable, database-driven web application development using PHP, Python, and MySQL, including the Drupal (PHP) and Django (Python) frameworks.
- Web interface construction using X/HTML, CSS, and Javascript, focusing on usability and standards.
- Version control with Subversion (SVN) and Git, including repository management.
- Desktop application development using Cocoa/Objective-C and Java.
- Experience with C, Ruby, C#, and Scheme.
- Linux and Windows networking and server management.
- Adobe Fireworks, Photoshop, and Flash.
- Microsoft Office Word, Excel, and PowerPoint, as well as other common business applications.

Education

University of Rochester Rochester, New York
Cumulative GPA: 3.71 / 4.00 Expected Graduation: May 2010
Completed five semesters so far, working on a Bachelor of Science in Mathematics with a minor in Computer Science.

Selected Courses:

Mathematics: Calculus I–IV, Linear Algebra, Algebra I, Point Set Topology, Introduction to Complex Analysis, Introduction to Real Analysis.

Computer Science: Data Structures, Computation and Formal Systems, Artificial Intelligence, Human-Computer Interaction, Design and Analysis of Efficient Algorithms.

Universiteit van Amsterdam Amsterdam, Netherlands
International School for the Humanities and Social Sciences February – June, 2009
Enrolled in one-semester “Law, Culture and Society” program.

Coursework: Seminar on Law & Legal Practice in an International & Comparative Perspective, Introduction to European Integration, Public International Law.

Project Experience

Personal and Contract Work

Freelance 2006 – Present

Web projects: Drupal-powered website for WRUR-FM (University of Rochester), including program scheduling, DJ reviews, and other features. Web-based applicant handling system for University of Rochester's Special Interest Housing groups. Online course management system for Oberlin College's Experimental College. Photography showcase website for Cleveland-area photographer Thomas Adams.

Software projects: Developed Wiitar, an open-source OS X application that maps a Nintendo Wii guitar controller as an input device. Created miniTimer, an onscreen timer application for OS X. Developed FunctionFlip for OS X, a keyboard-management utility.

StyleNet Nashville, Tennessee
Lead Developer July 2007 – January 2009

Planning and implementation of changes and improvements to the 75000 LOC code base, written in PHP. Built public websites and intranet for partner company. User interface design and implementation, including translation of graphic designs to functioning web sites. Technical guidance of a team of one to four other developers.

2 The Top Website Design and Promotion Nashville, Tennessee
Web Developer/Designer March 2006 – January 2009

Web development from the earliest design phases through final implementation and maintenance. Building and customizing complete Content Management Systems designed for power, speed, and scalability. Interface design in XHTML and CSS, as well as graphic design and copywriting. Project planning and leadership, both when working solo and on a team.

Pressco Technology Inc.

Solon, Ohio

Applications Engineering Specialist (Intern)

May – August 2007

As a software tester, I rigorously checked machine vision software for bugs and other problems, while working closely with the software engineering team.

Gilmour Academy

Gates Mills, Ohio

Assistant Systems Administrator

June 2002 – August 2006

Administered the campus-wide computer network of more than 450 computers and 750 users.

Activities and Honors

- Boy Scouts of America: Eagle Scout, Troop 620, University Heights, Ohio (1999 – Present)
- Awarded four-year, full-tuition Renaissance Scholarship to the University of Rochester
- University of Rochester Dean's List (Highest Honors): Four semesters
- President, University of Rochester Media Living Center (2007 – 2008)

References

References available upon request.